

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057666.D
 Acq On : 3 Sep 2019 16:21
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:21:13 PM

Quant Time: Sep 04 01:58:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	59365	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	360164	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	333002	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	185129	37.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	125.97%
60) 4-Bromofluorobenzene	12.40	95	186794	36.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	120.93%
63) Toluene-d8	10.09	98	462155	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	657585	198.922	ug/l 99
3) Chloromethane	2.05	50	663117	213.692	ug/l 99
4) Vinyl Chloride	2.18	62	558455	134.847	ug/l 94
5) Bromomethane	2.51	94	339174m	93.885	ug/l
6) Chloroethane	2.67	64	388732m	137.696	ug/l
7) Trichlorofluoromethane	3.00	101	1078098	122.393	ug/l 95
8) Diethyl Ether	3.39	74	342052	119.597	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	538993	104.782	ug/l 99
10) 1,1-Dichloroethene	3.72	96	507553	106.441	ug/l 97
11) Methyl Iodide	3.94	142	733849	91.691	ug/l 97
12) Methyl Acetate	4.30	43	741827	228.735	ug/l 96
13) Acrolein	3.59	56	205856	595.239	ug/l 96
14) Acrylonitrile	4.96	53	1392345	1129.607	ug/l 100
15) Acetone	3.80	58	365658	654.493	ug/l 86
16) Carbon Disulfide	4.04	76	1330500	224.826	ug/l 99
17) Allyl chloride	4.31	41	1159593	272.084	ug/l 97
18) Methylene Chloride	4.53	84	605054	189.630	ug/l 93
19) trans-1,2-Dichloroethene	5.02	96	531404	172.583	ug/l 99
20) Diisopropyl ether	5.93	45	2342849	230.904	ug/l 94
21) 1,1-Dichloroethane	5.83	63	1170338	192.788	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	642623	158.034	ug/l 98
23) tert-Butyl Alcohol	4.76	59	526939	1176.216	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	2009917	195.623	ug/l 100
25) Chloroform	7.36	83	1243913	174.534	ug/l 99
26) Cyclohexane	7.64	56	998845	197.147	ug/l # 96
29) 1,1-Dichloropropene	7.78	75	870160	173.828	ug/l 99
30) 2-Butanone	6.82	43	2091901	1187.080	ug/l # 97
31) 2,2-Dichloropropane	6.81	77	1098592	183.213	ug/l # 77
32) 1,1,1-Trichloroethane	7.56	97	1124800	171.259	ug/l 99
33) Carbon Tetrachloride	7.76	117	932387	168.728	ug/l 98
34) Benzene	8.03	78	2463863	165.889	ug/l # 86
35) Methacrylonitrile	7.17	41	482030m	285.913	ug/l
36) 1,2-Dichloroethane	8.11	62	1112241	196.581	ug/l # 100
37) Trichloroethene	8.83	130	596904	144.327	ug/l 94
38) Methylcyclohexane	9.07	83	955175	160.938	ug/l 98
39) 1,2-Dichloropropane	9.11	63	675318	180.686	ug/l 97
40) Dibromomethane	9.20	93	451500	164.148	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	1029477	181.041	ug/l	96
42) Vinyl Acetate	5.88	43	8048098	1017.884	ug/l #	95
43) Ethyl Acetate	6.91	43	897030m	262.103	ug/l	
44) Isopropyl Acetate	8.15	43	1661327	243.571	ug/l #	84
45) 1,4-Dioxane	9.19	88	202192	3685.036	ug/l	92
46) Methyl methacrylate	9.19	41	817834	258.593	ug/l	98
47) n-amyl Acetate	12.07	43	1407578	259.075	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	1108411	192.938	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	1137626	183.559	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	607548	154.644	ug/l	100
51) Ethyl methacrylate	10.43	69	1057307	199.027	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1077700	172.358	ug/l	100
53) Dibromochloromethane	10.90	129	708886	163.475	ug/l	100
54) 1,2-Dibromoethane	11.00	107	639780	158.547	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	1762092	1284.024	ug/l	100
56) Bromoform	12.13	173	467600	166.556	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3861543	1011.731	ug/l #	89
59) 2-Hexanone	10.75	43	3010044	1141.333	ug/l	95
61) Tetrachloroethene	10.63	164	538243	128.944	ug/l	99
62) Toluene	10.15	91	2628839	154.966	ug/l	97
64) Chlorobenzene	11.43	112	1671227	155.682	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	639512	151.360	ug/l	96
66) Ethyl Benzene	11.51	91	2916563	159.065	ug/l #	86
67) m/p-Xylenes	11.62	106	2265346	315.720	ug/l	73
68) o-Xylene	11.95	106	1137659	157.559	ug/l	95
69) Styrene	11.96	104	1956775	171.984	ug/l	99
70) Isopropylbenzene	12.25	105	2888031	159.164	ug/l	94
71) 1,1,2,2-Tetrachloroethane	12.51	83	826753	168.504	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	768114m	182.317	ug/l	
73) Bromobenzene	12.53	156	697319	153.663	ug/l	96
74) n-propylbenzene	12.59	91	3218491	171.197	ug/l	91
75) 2-Chlorotoluene	12.68	91	2193587	179.201	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	2536707	166.617	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	282813	211.643	ug/l	86
78) 4-Chlorotoluene	12.78	91	2213750	190.942	ug/l	97
79) tert-butylbenzene	12.99	119	2200607	159.061	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2410914	169.070	ug/l	95
81) sec-Butylbenzene	13.17	105	2801083	166.464	ug/l	96
82) p-Isopropyltoluene	13.29	119	2449750	165.660	ug/l	96
83) 1,3-Dichlorobenzene	13.29	146	1156133	159.433	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1117388	161.277	ug/l	98
85) n-Butylbenzene	13.62	91	2232898	186.200	ug/l	96
86) Hexachloroethane	13.88	117	481621	167.861	ug/l	91
87) 1,2-Dichlorobenzene	13.66	146	1076634	156.333	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	161987	230.481	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	519442	206.470	ug/l	98
90) Hexachlorobutadiene	15.01	225	360930	157.733	ug/l	98
91) Naphthalene	15.13	128	1386158	202.087	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	503348	202.630	ug/l	96

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QLast Update : Wed Sep 04 01:47:16 2019
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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

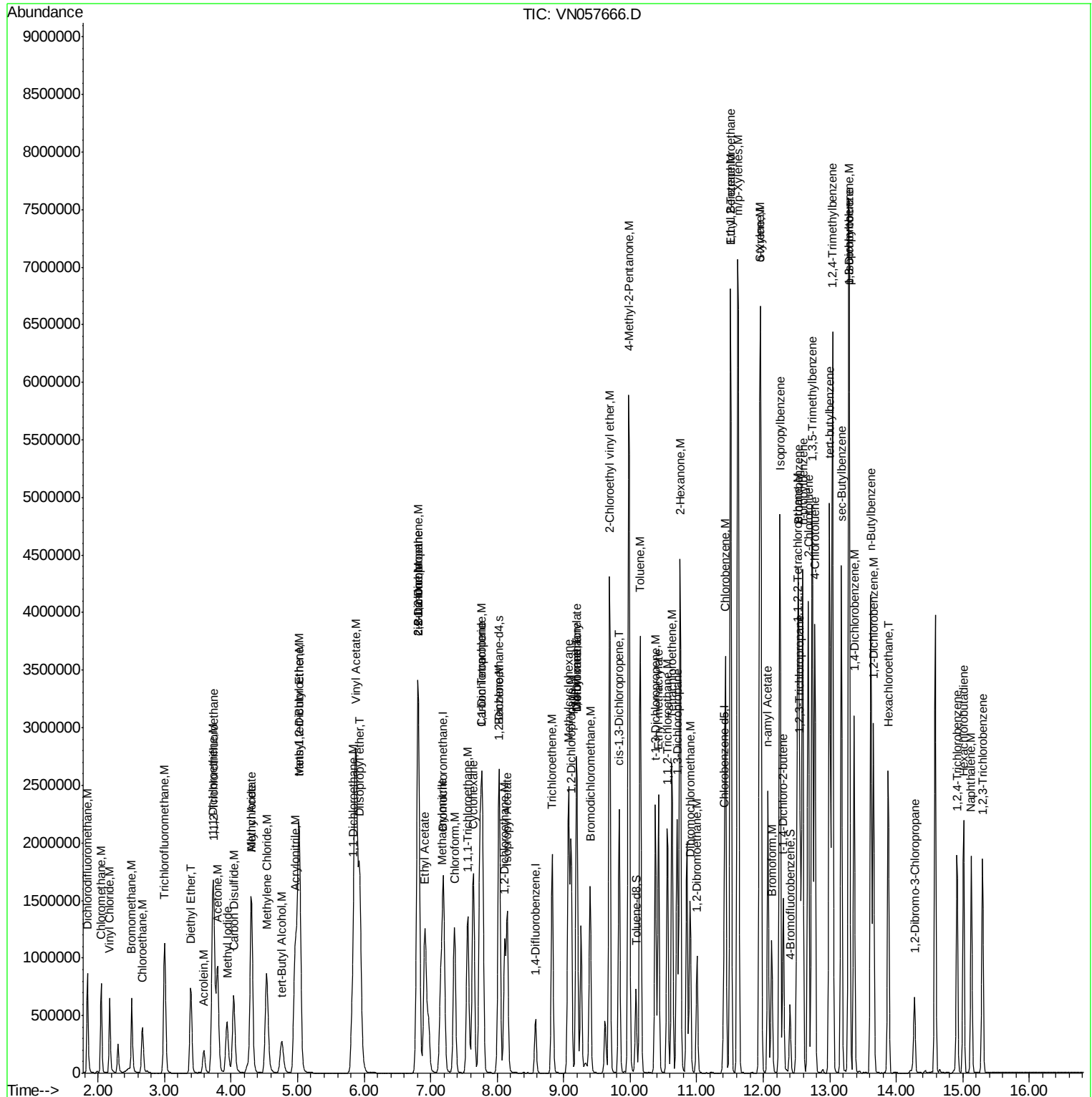
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057666.D
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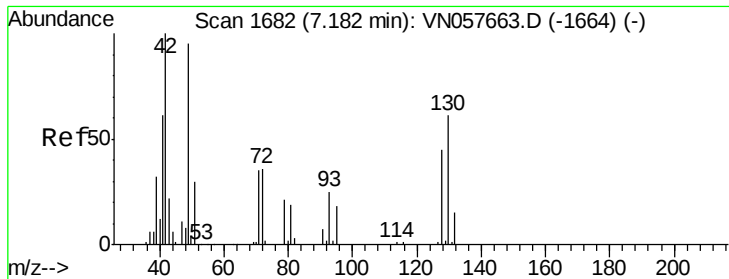
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
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 QLast Update : Wed Sep 04 01:47:16 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

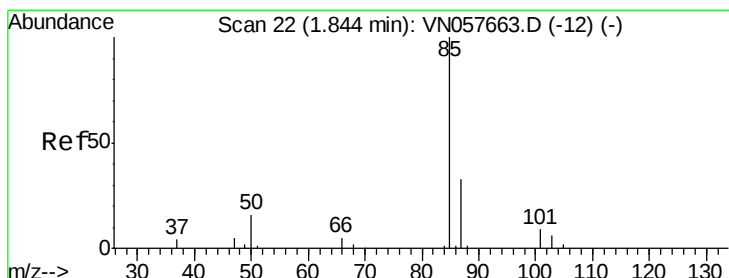
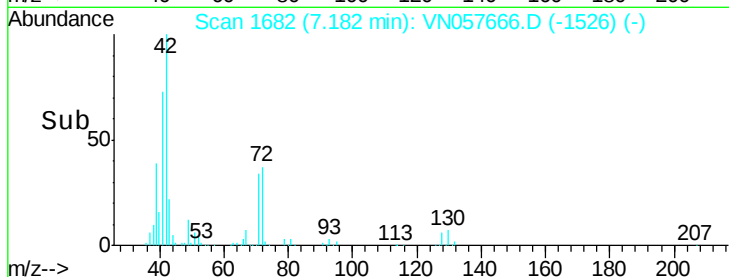
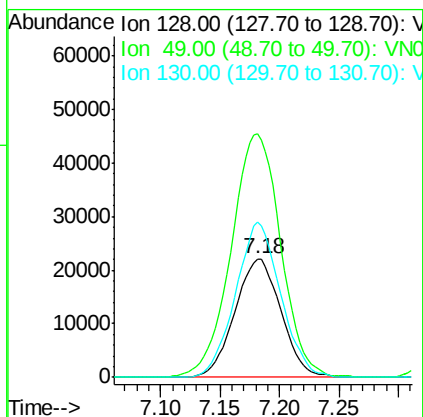
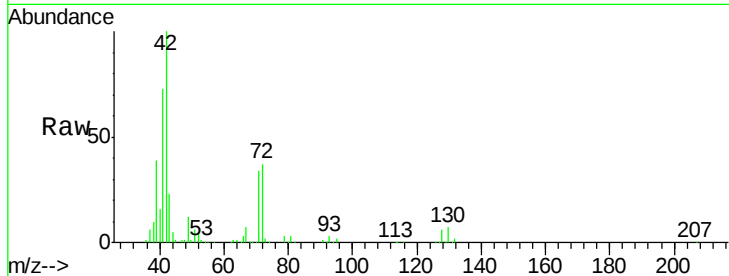
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	59365
Ion	Ratio	Lower	Upper
128	100		
49	220.7	0.0	544.5
130	127.7	0.0	324.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 198.922 ug/l

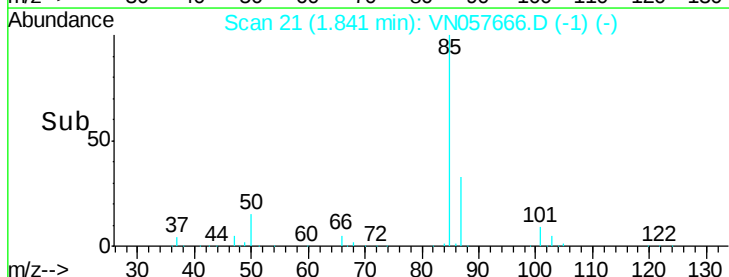
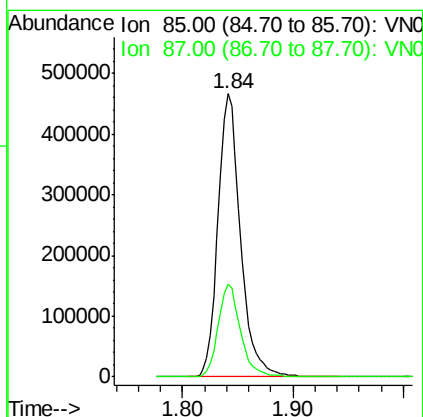
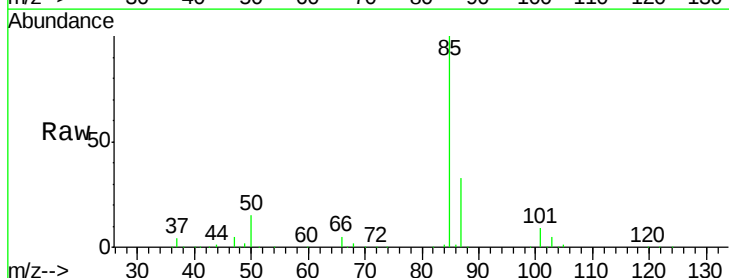
RT: 1.84 min Scan# 21

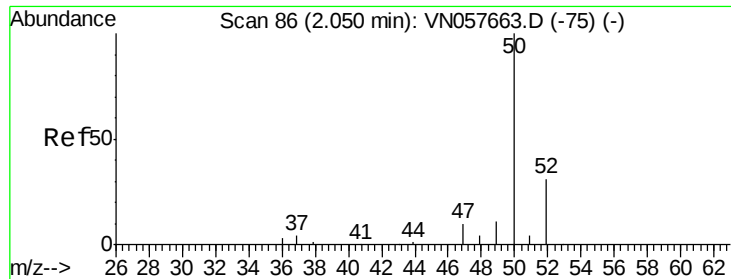
Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Tgt Ion:	85	Resp:	657585
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.7





#3

Chloromethane

Concen: 213.692 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 663117

Ion Ratio Lower Upper

50 100

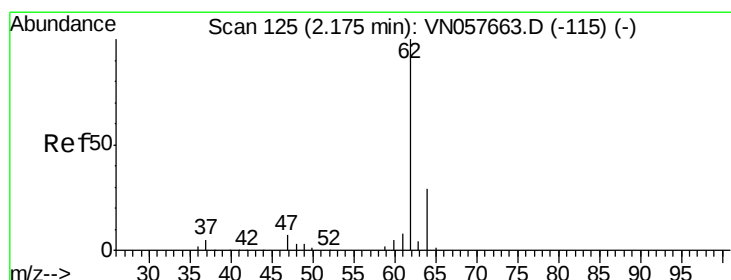
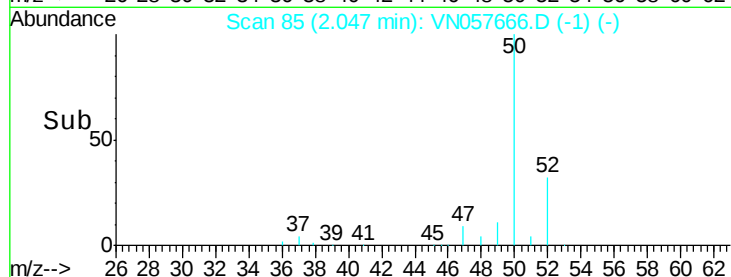
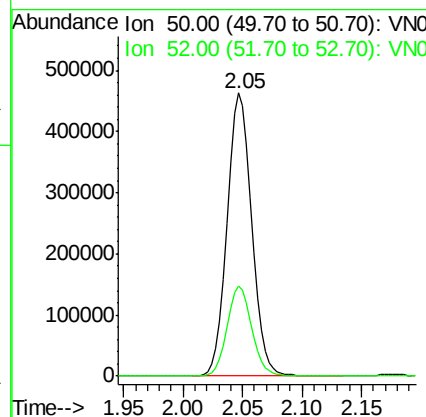
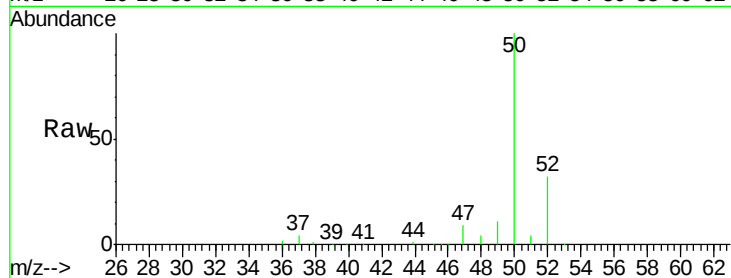
52 32.1 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 134.847 ug/l

RT: 2.18 min Scan# 125

Delta R.T. 0.00 min

Lab File: VN057666.D

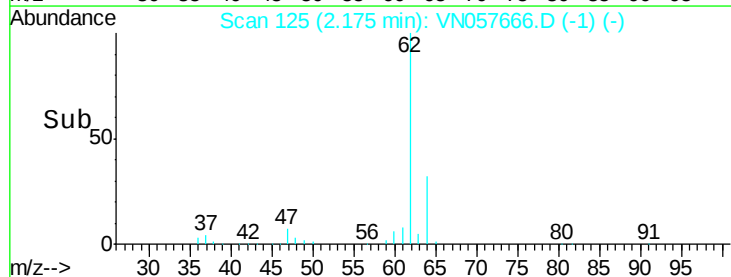
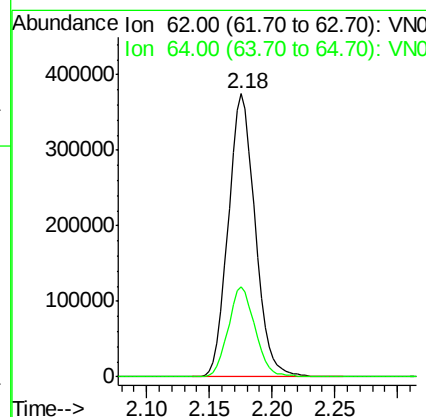
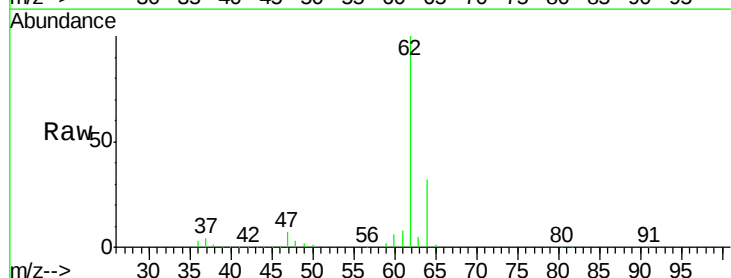
Acq: 3 Sep 2019 16:21

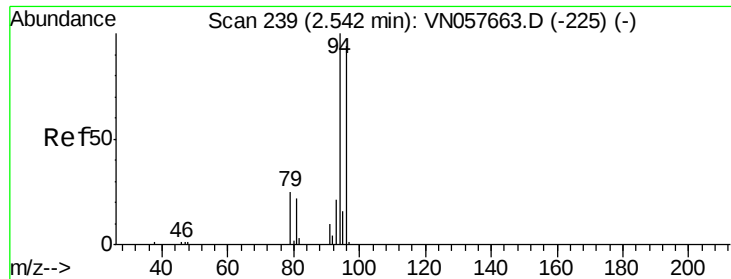
Tgt Ion: 62 Resp: 558455

Ion Ratio Lower Upper

62 100

64 32.0 23.2 34.8





#5

Bromomethane

Concen: 93.885 ug/l m

RT: 2.51 min Scan# 228

Delta R.T. -0.04 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 339174

Ion Ratio Lower Upper

94 100

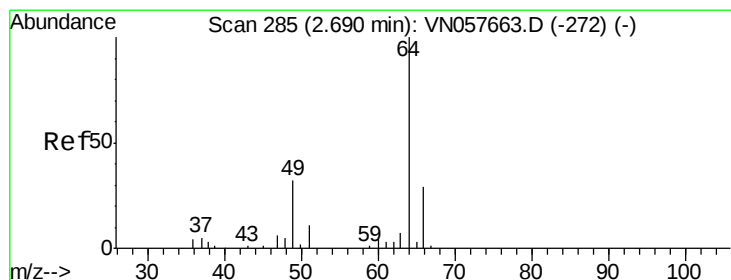
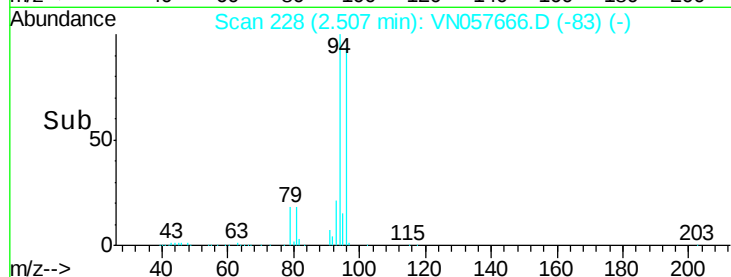
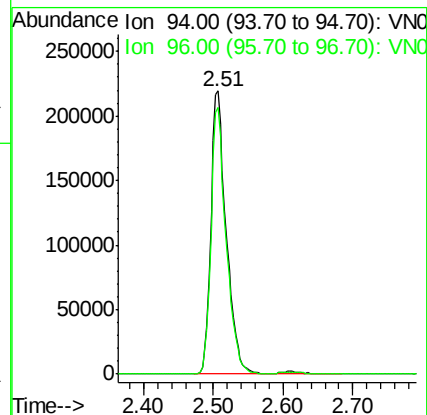
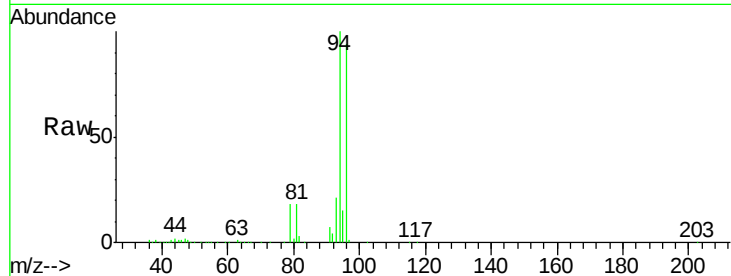
96 94.4 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 137.696 ug/l m

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN057666.D

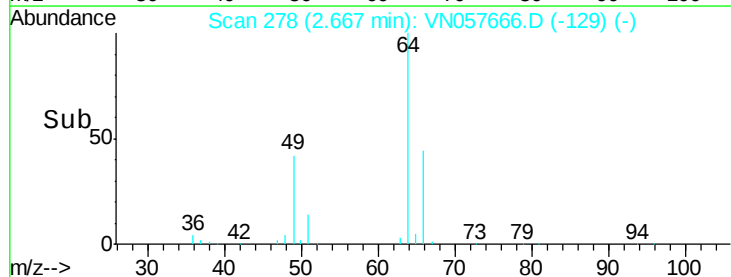
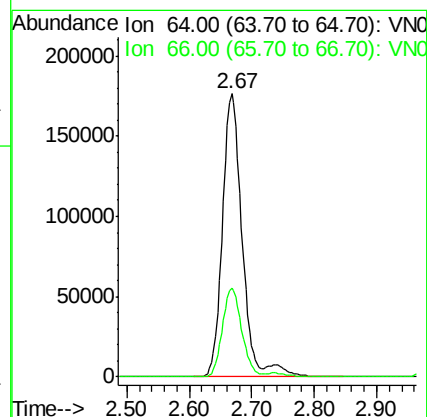
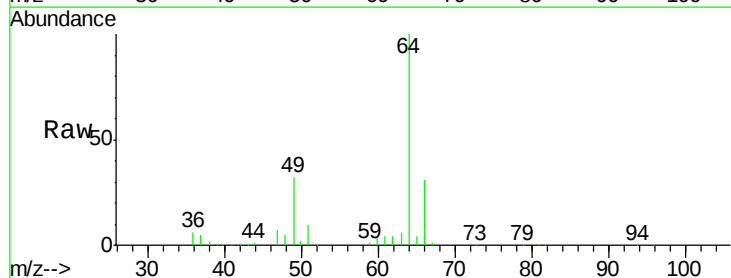
Acq: 3 Sep 2019 16:21

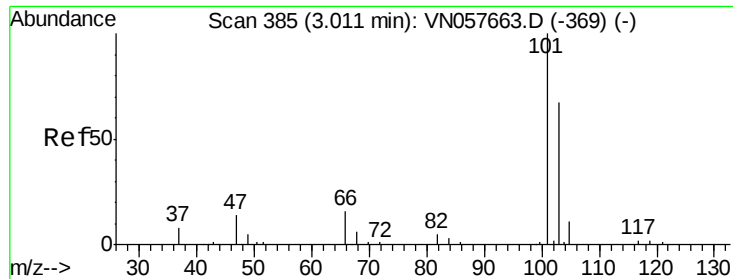
Tgt Ion: 64 Resp: 388732

Ion Ratio Lower Upper

64 100

66 31.2 23.5 35.3





#7

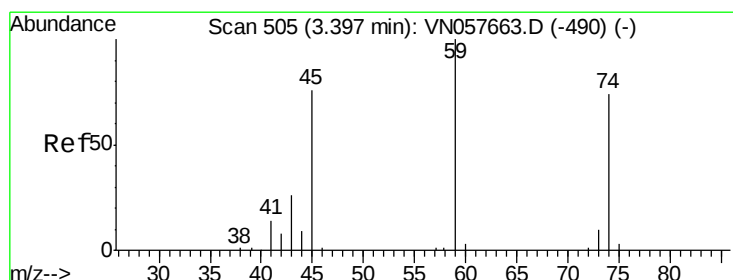
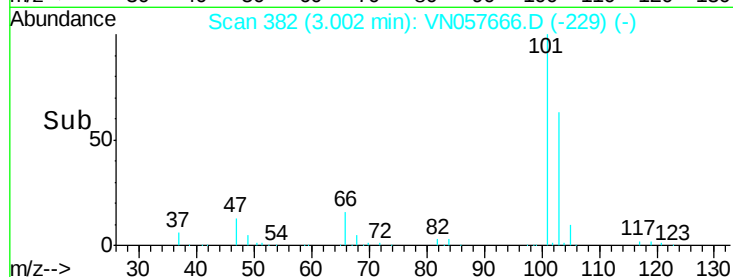
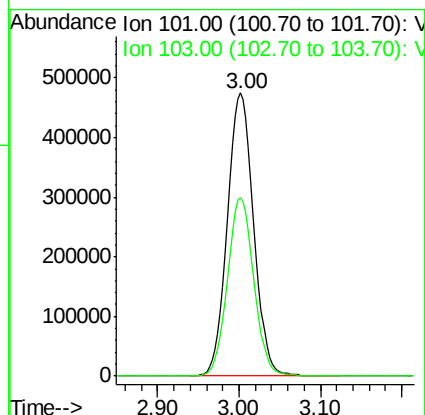
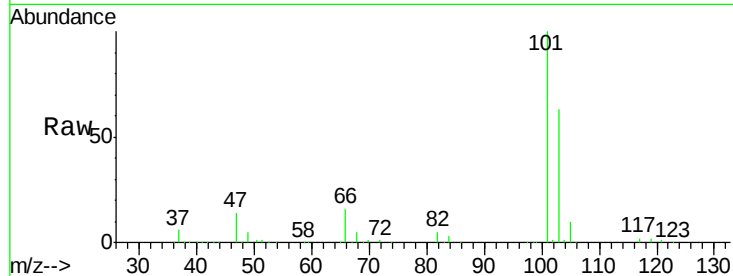
Trichlorofluoromethane
Concen: 122.393 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1078098
Ion Ratio Lower Upper
101 100
103 63.2 53.6 80.4

Manual Integrations
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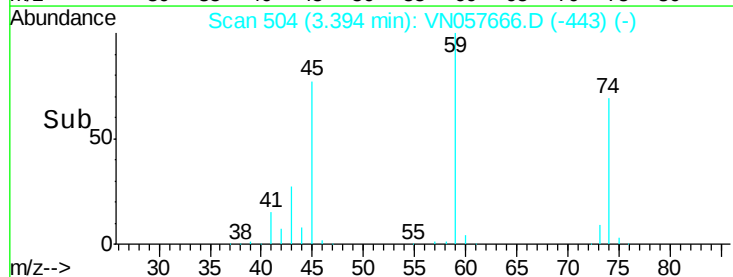
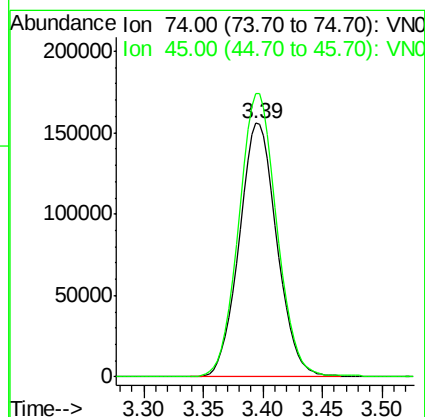
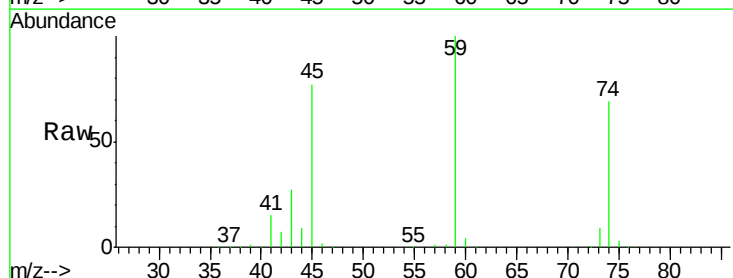
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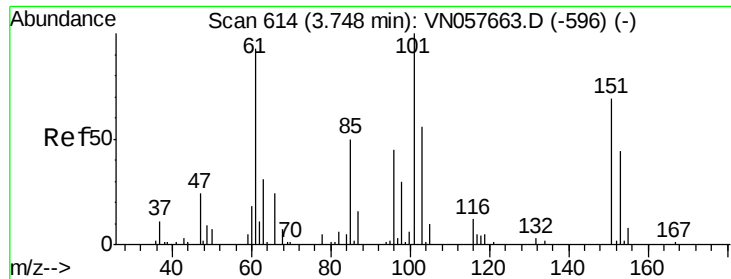


#8

Diethyl Ether
Concen: 119.597 ug/l
RT: 3.39 min Scan# 504
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 74 Resp: 342052
Ion Ratio Lower Upper
74 100
45 112.4 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.782 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

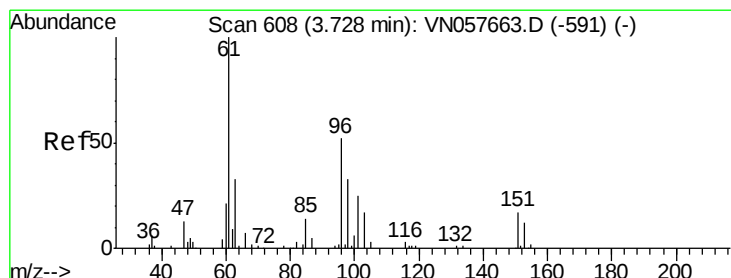
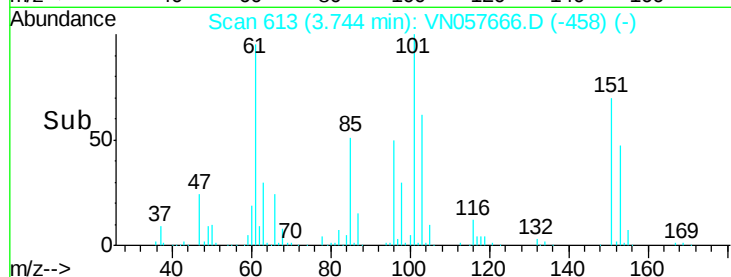
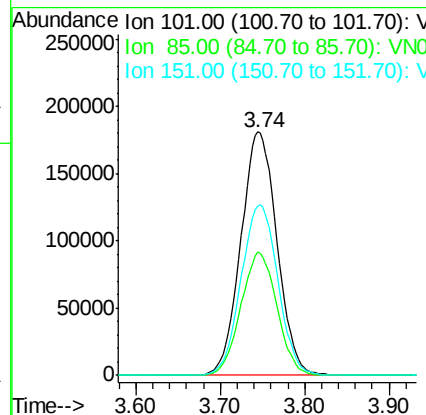
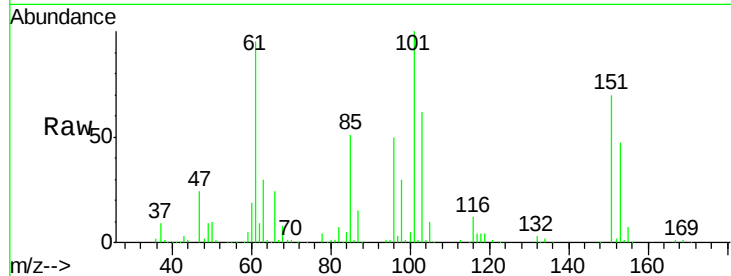
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	538993
Ion Ratio	Lower	Upper	
101	100		
85	50.5	0.0	100.2
151	71.6	0.0	140.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 106.441 ug/l

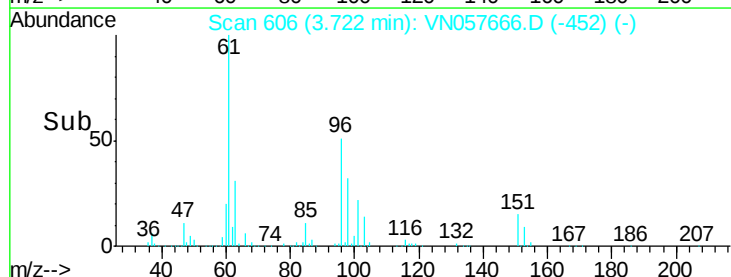
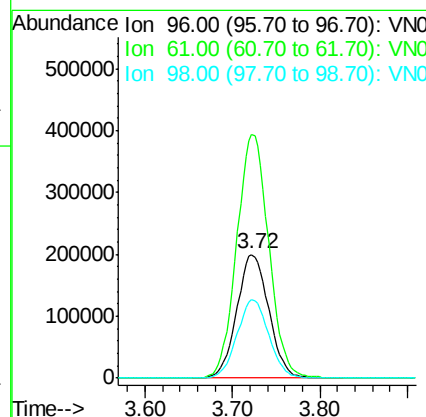
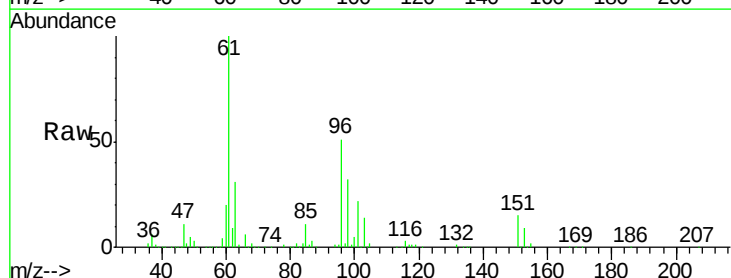
RT: 3.72 min Scan# 606

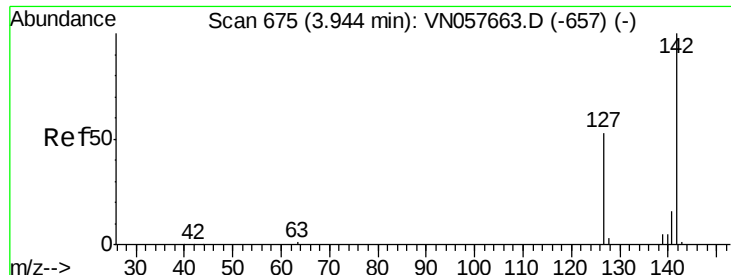
Delta R.T. -0.01 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Tgt Ion:	96	Resp:	507553
Ion Ratio	Lower	Upper	
96	100		
61	197.1	152.9	229.3
98	63.2	51.0	76.4





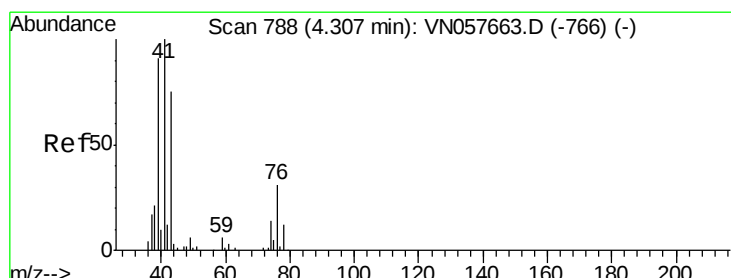
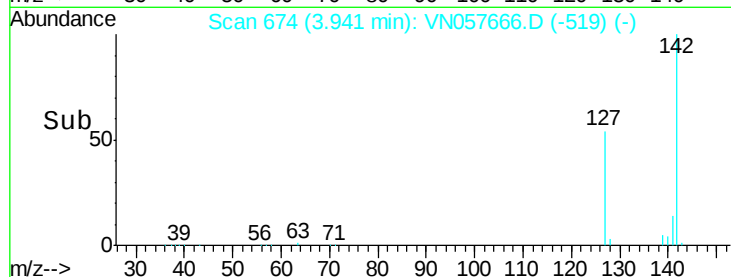
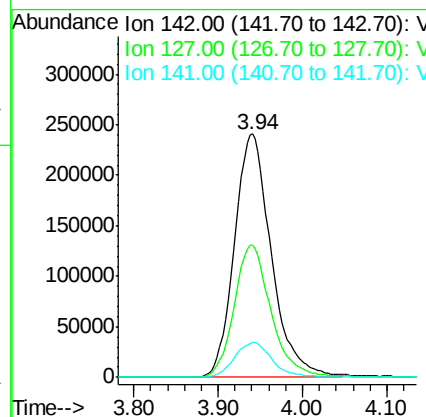
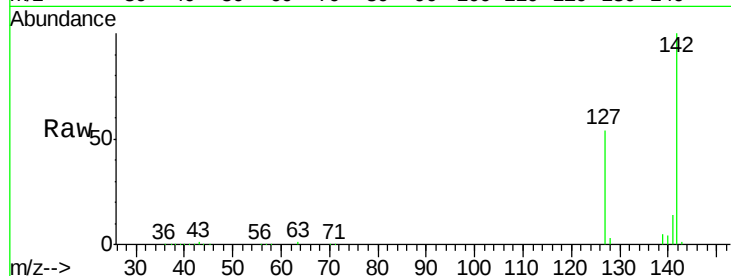
#11
Methyl Iodide
Concen: 91.691 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	54.3	26.2	78.5
141	14.4	7.6	22.9

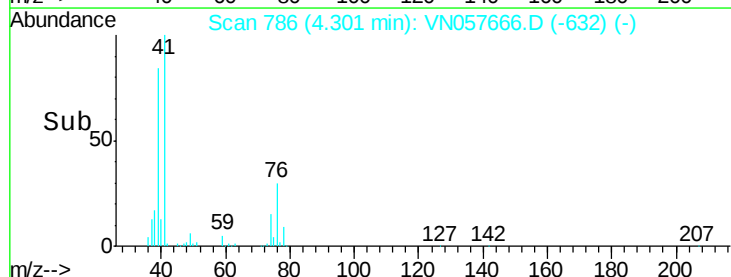
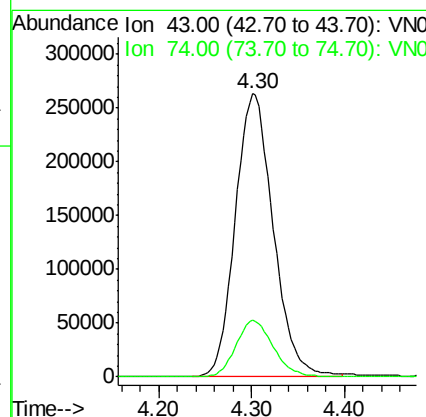
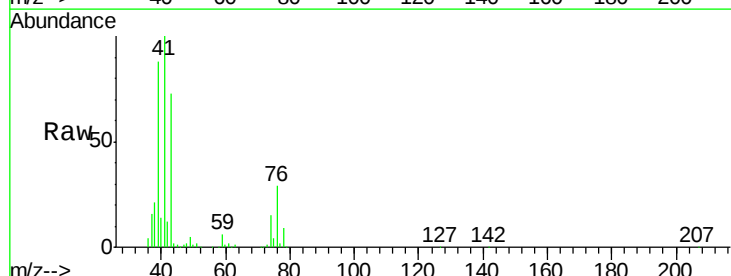
Manual Integrations
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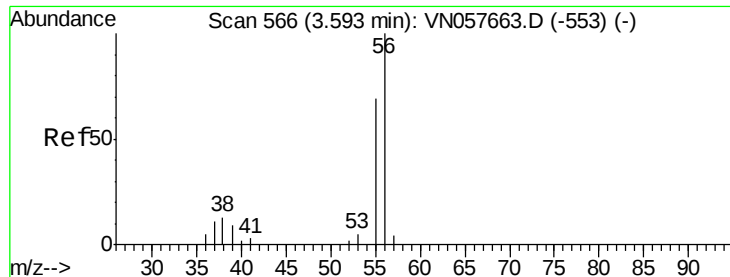
MMDadoda
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#12
Methyl Acetate
Concen: 228.735 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.01 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	14.6	22.0





#13

Acrolein

Concen: 595.239 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 205856

Ion Ratio Lower Upper

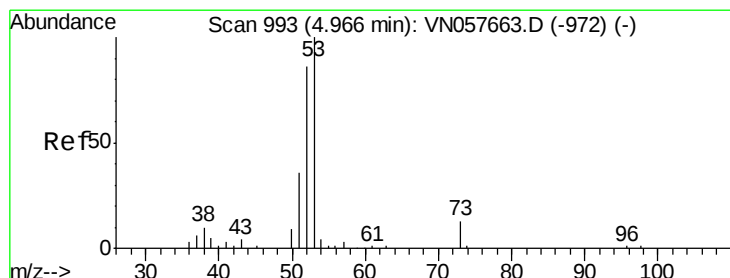
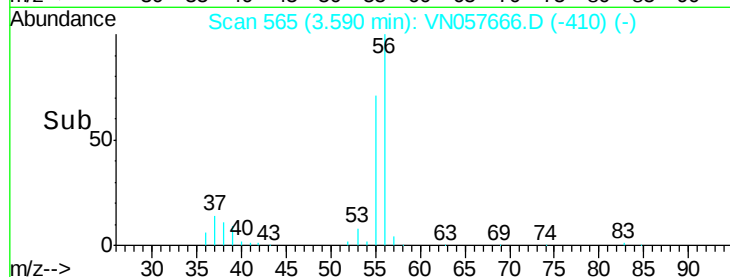
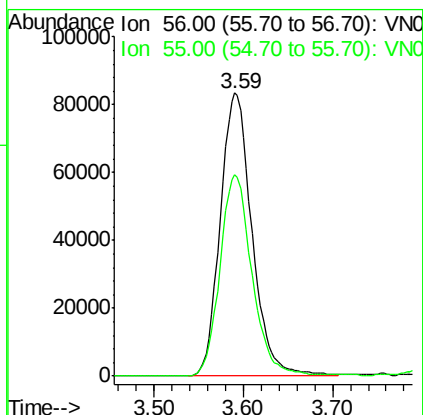
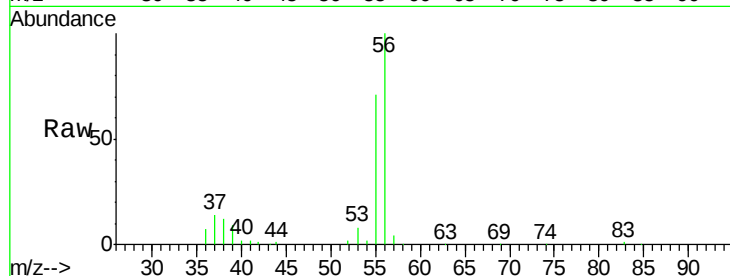
56 100

55 70.9 54.2 81.4

Manual Integrations
APPROVED

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#14

Acrylonitrile

Concen: 1129.607 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

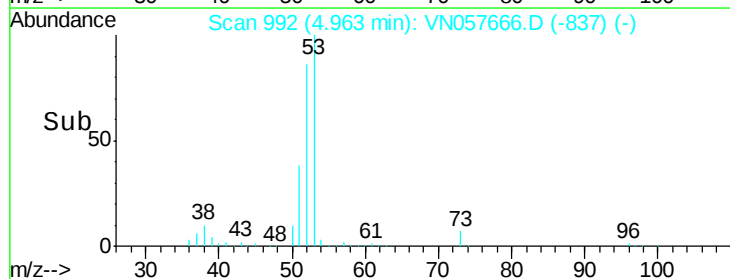
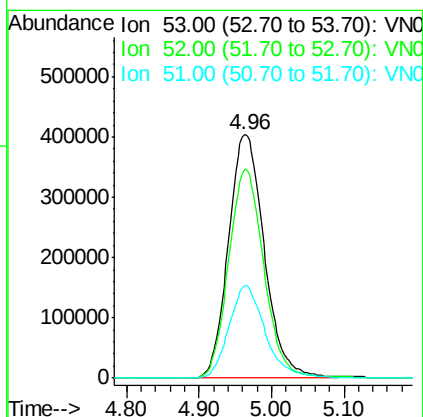
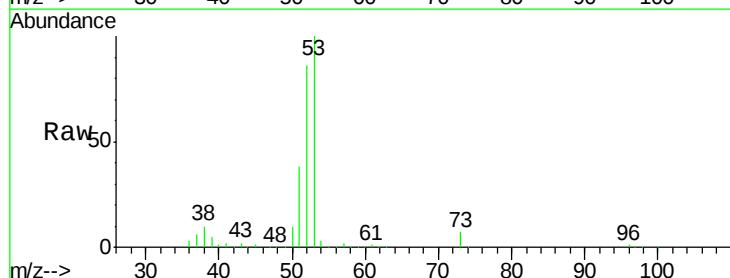
Tgt Ion: 53 Resp: 1392345

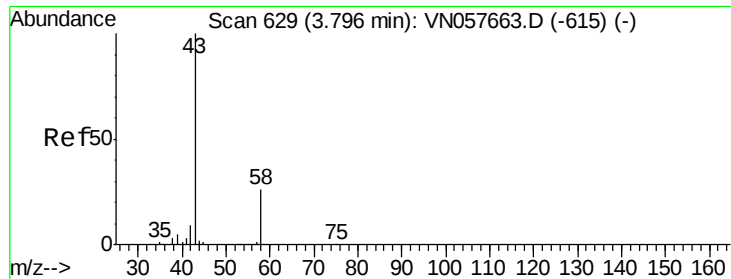
Ion Ratio Lower Upper

53 100

52 83.9 41.9 125.7

51 38.3 19.4 58.2





#15

Acetone

Concen: 654.493 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 365658

Ion Ratio Lower Upper

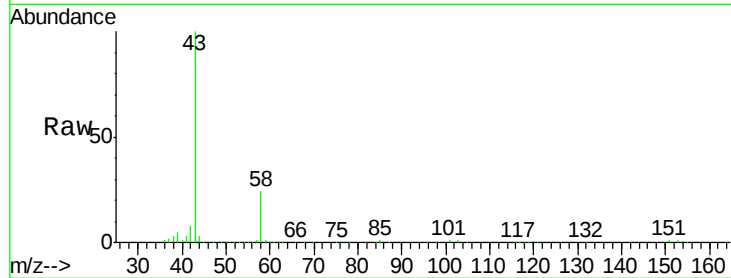
58 100

43 418.2 308.8 463.2

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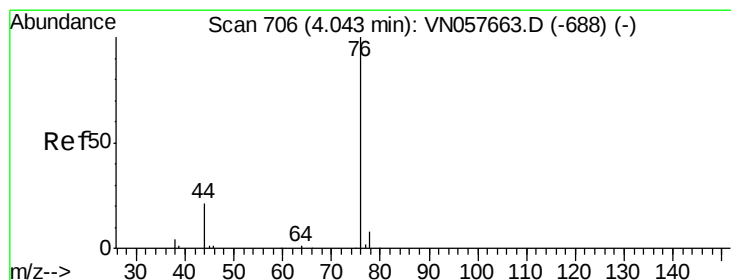
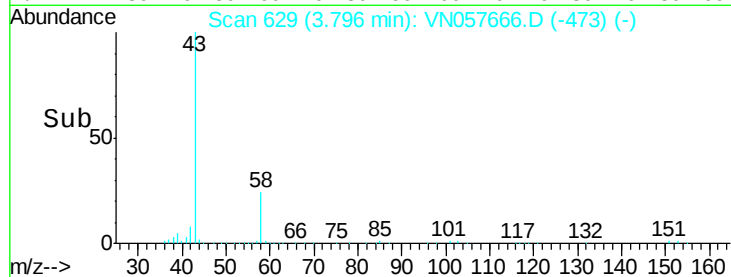
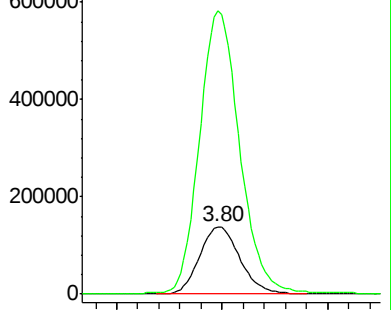
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Abundance Ion 58.00 (57.70 to 58.70): VN057666.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN057666.D (-615) (-)



#16

Carbon Disulfide

Concen: 224.826 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN057666.D

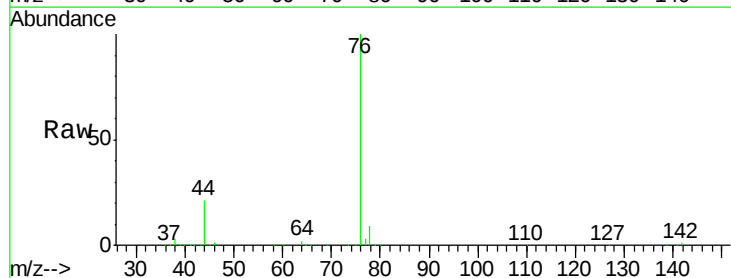
Acq: 3 Sep 2019 16:21

Tgt Ion: 76 Resp: 1330500

Ion Ratio Lower Upper

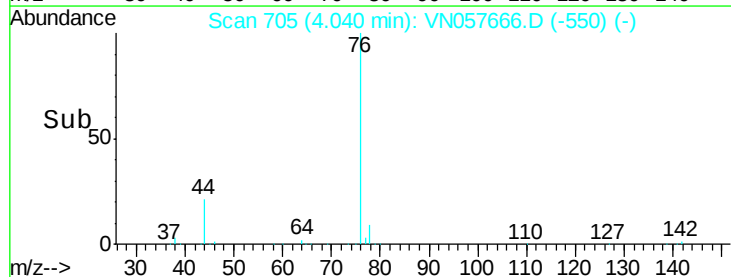
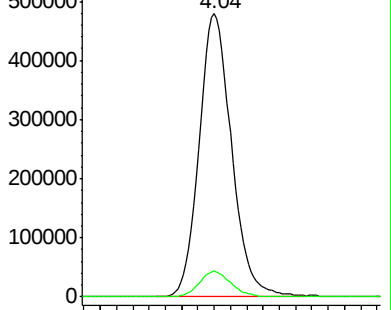
76 100

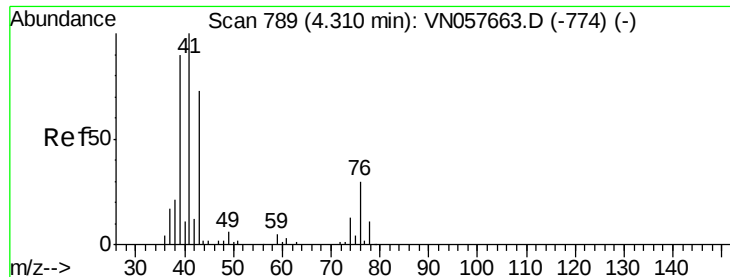
78 9.0 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN057666.D (-550) (-)

Ion 78.00 (77.70 to 78.70): VN057666.D (-550) (-)





#17

Allvl chloride

Concen: 272.084 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 1159593

Ion Ratio Lower Upper

41 100

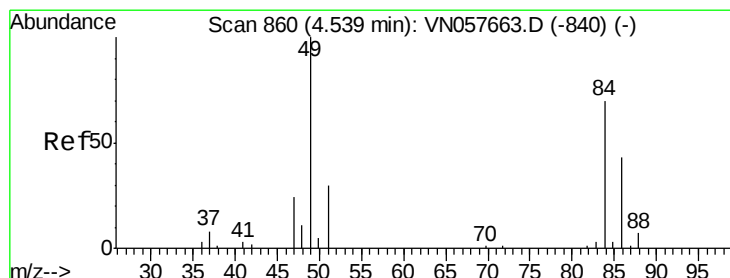
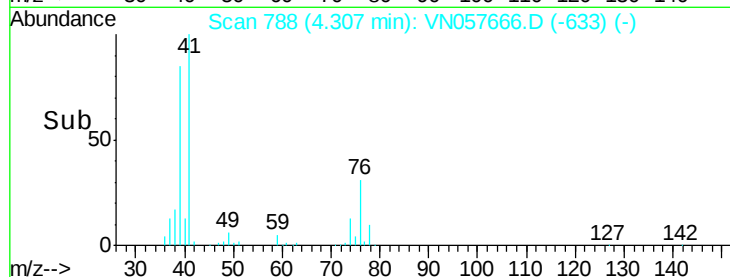
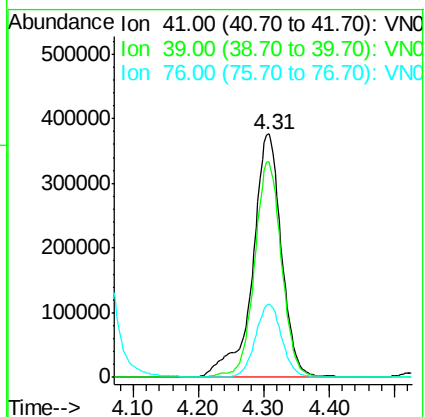
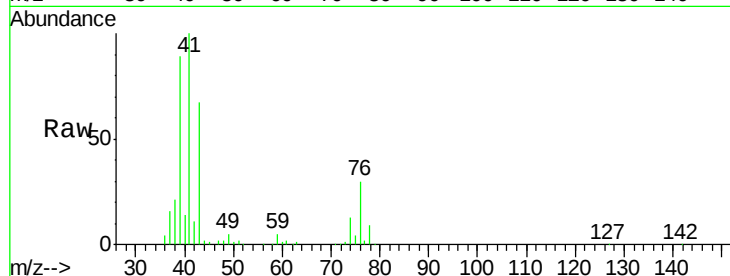
39 88.6 43.0 128.8

76 29.9 14.2 42.8

Manual Integrations
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#18

Methylene Chloride

Concen: 189.630 ug/l

RT: 4.53 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Tgt Ion: 84 Resp: 605054

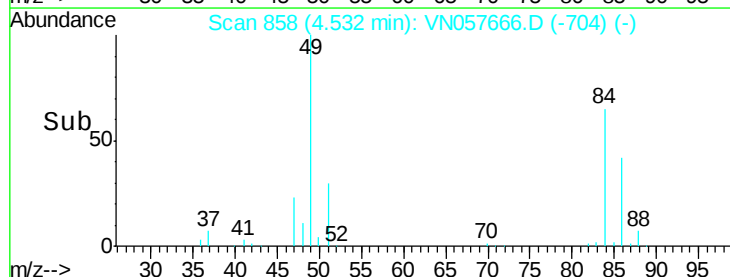
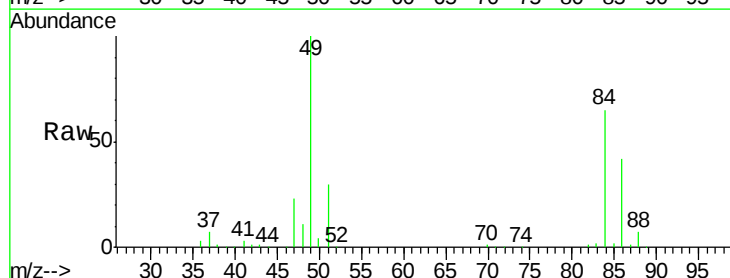
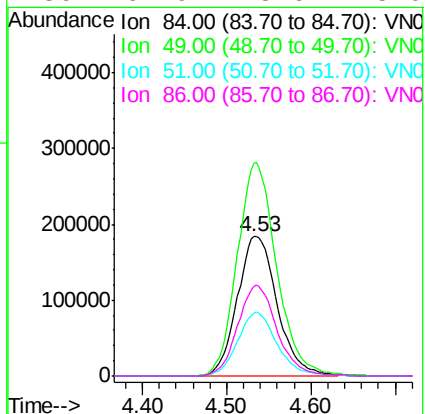
Ion Ratio Lower Upper

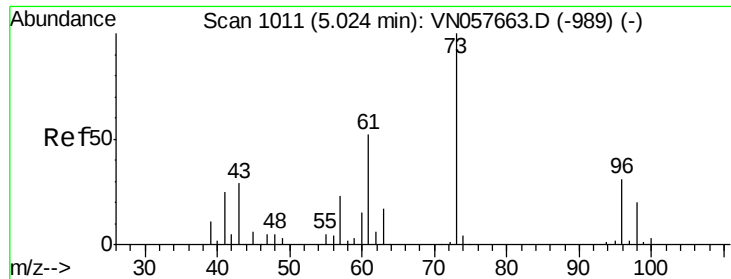
84 100

49 152.9 113.7 170.5

51 45.2 34.5 51.7

86 64.9 48.6 73.0





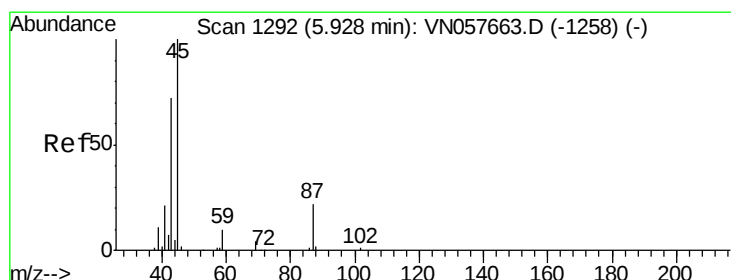
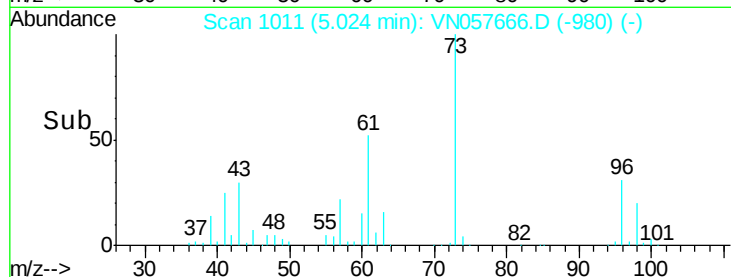
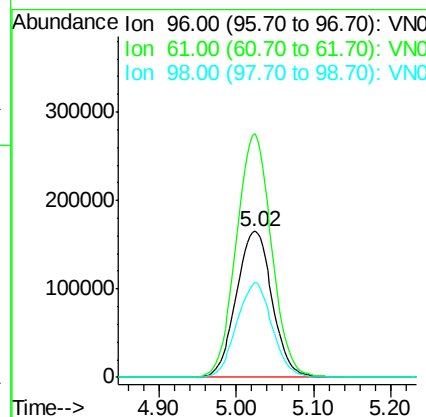
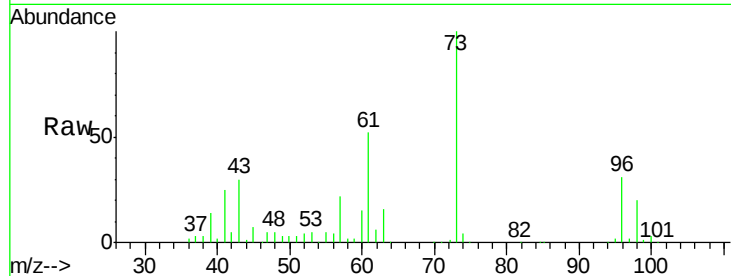
#19
trans-1,2-Dichloroethene
Concen: 172.583 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.5	133.4	200.0
98	64.7	50.4	75.6

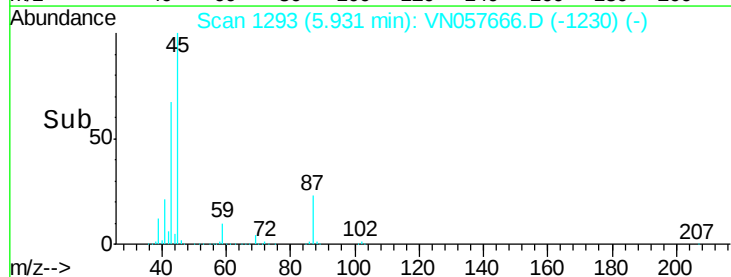
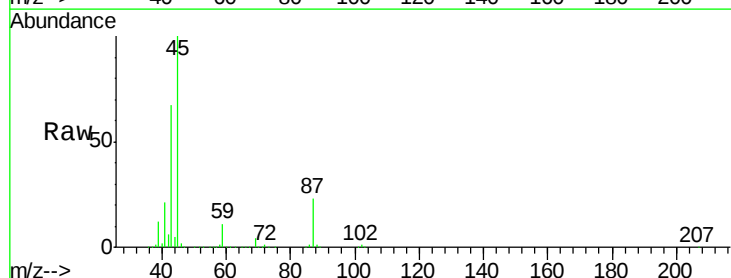
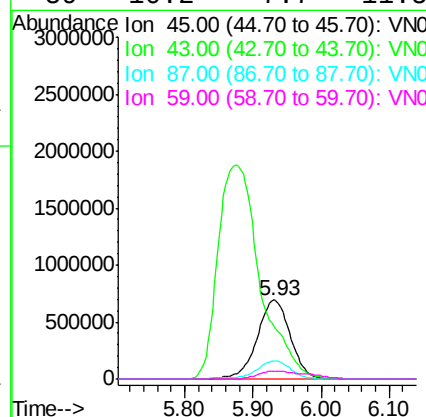
Manual Integrations
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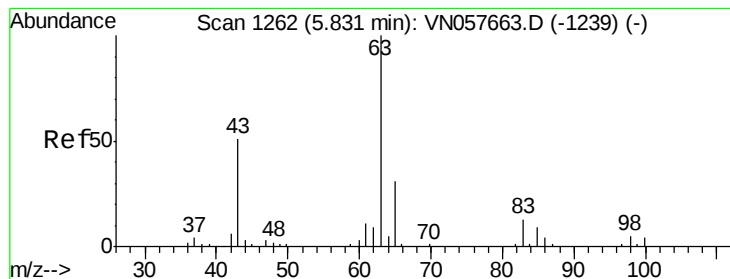
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#20
Diisopropyl ether
Concen: 230.904 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	58.3	87.5
87	23.3	18.5	27.7
59	10.2	7.7	11.5





#21

1,1-Dichloroethane

Concen: 192.788 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1170338

Ion Ratio Lower Upper

63 100

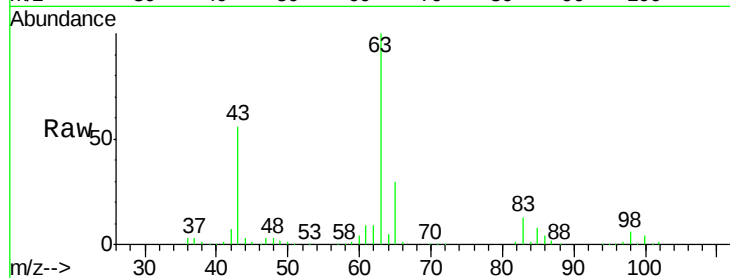
98 5.8 2.6 7.8

100 3.7 1.8 5.5

Manual Integrations
APPROVED

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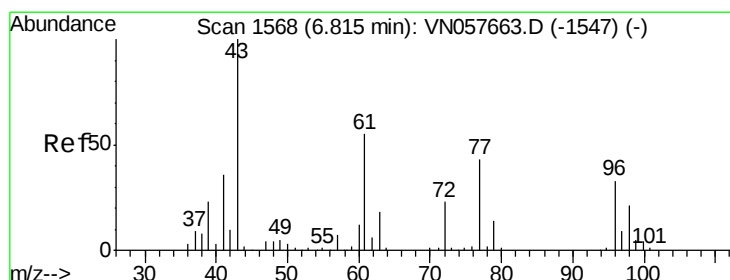
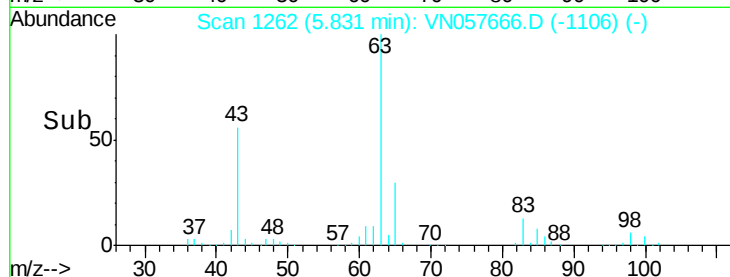
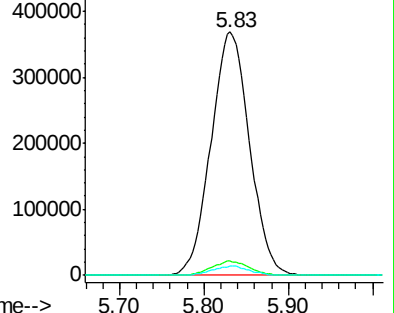
9/5/2019 3:21:13 PM



Abundance Ion 63.00 (62.70 to 63.70): VN057666.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN057666.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN057666.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 158.034 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

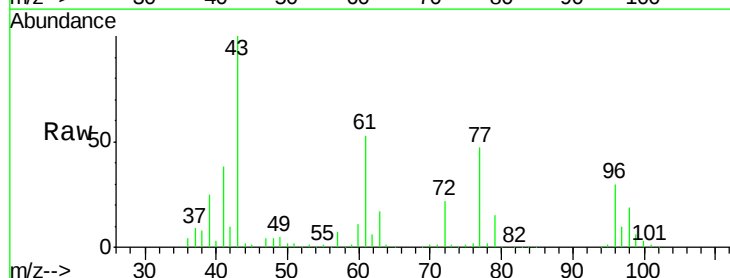
Tgt Ion: 96 Resp: 642623

Ion Ratio Lower Upper

96 100

61 175.0 137.2 205.8

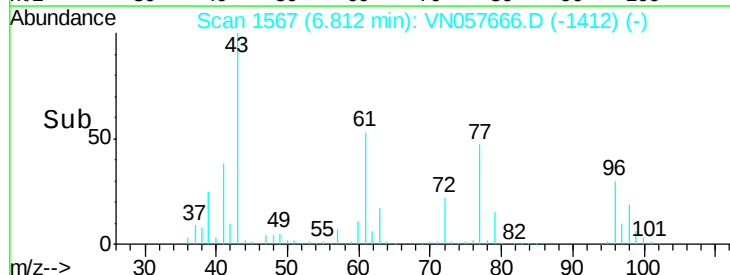
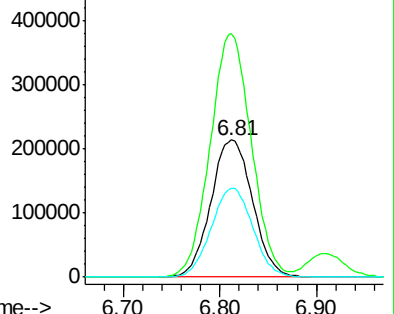
98 64.5 50.5 75.7

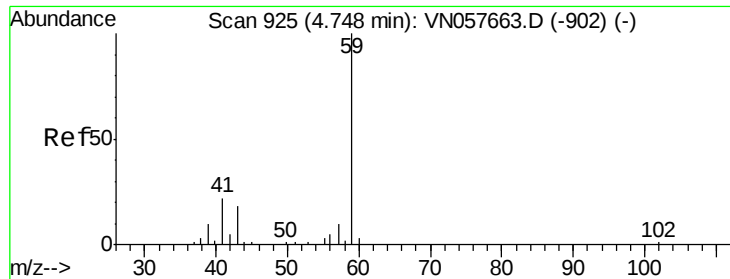


Abundance Ion 96.00 (95.70 to 96.70): VN057666.D (-1412) (-)

Ion 61.00 (60.70 to 61.70): VN057666.D (-1412) (-)

Ion 98.00 (97.70 to 98.70): VN057666.D (-1412) (-)





#23

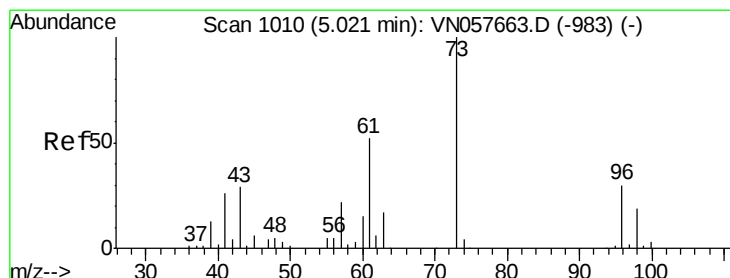
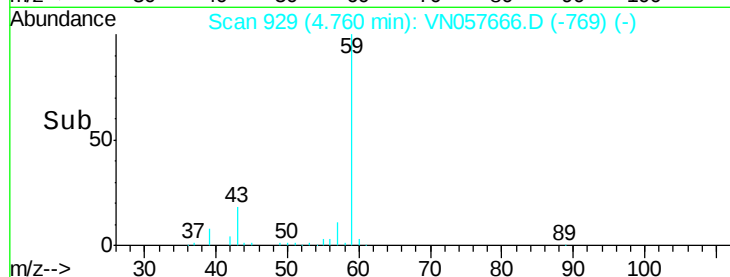
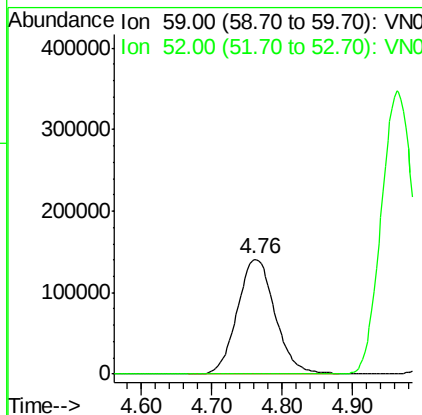
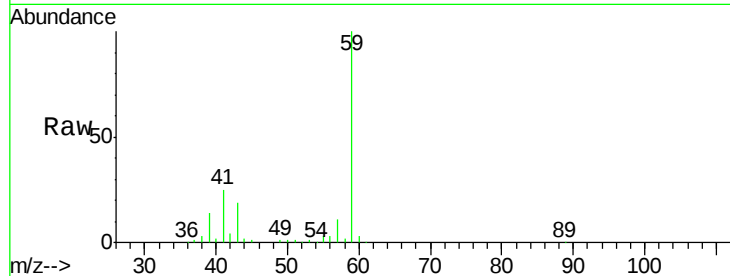
tert-Butyl Alcohol
 Concen: 1176.216 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0#

Manual Integrations
 APPROVED

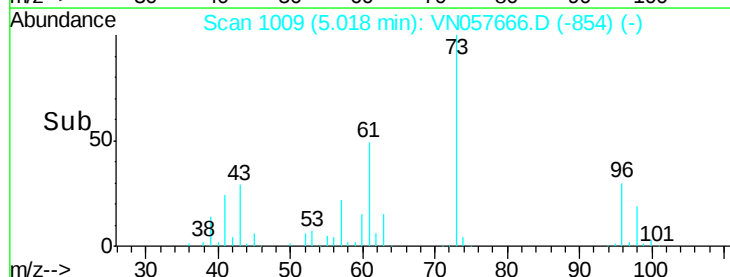
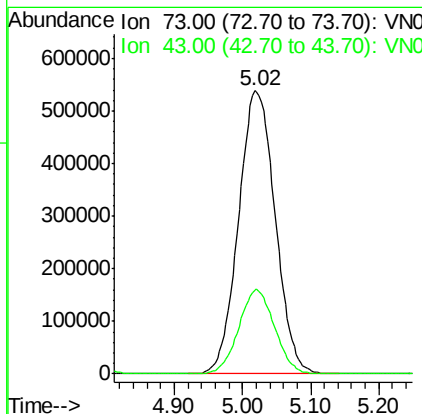
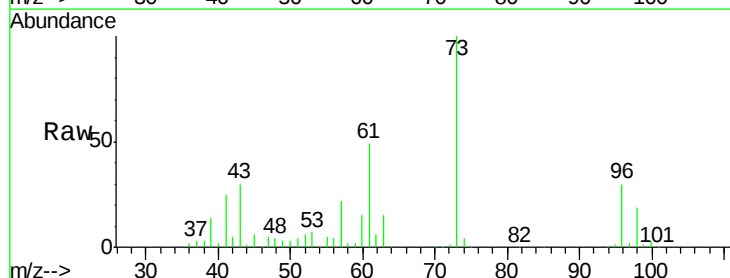
MMDadoda
 9/5/2019 3:21:13 PM

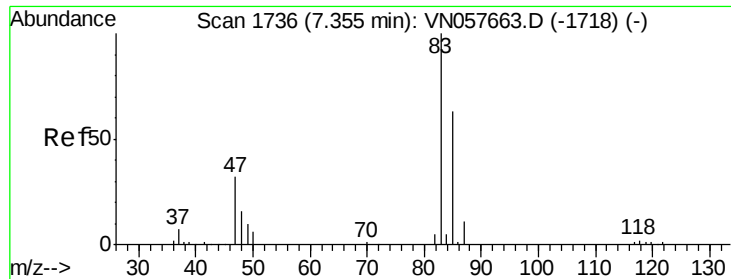


#24

Methyl tert-Butyl Ether
 Concen: 195.623 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
73	100		
43	29.0	23.2	34.8





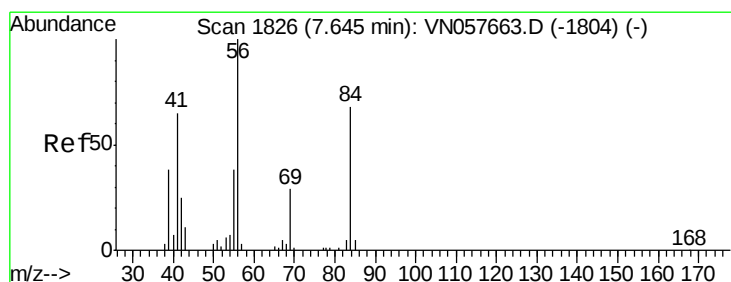
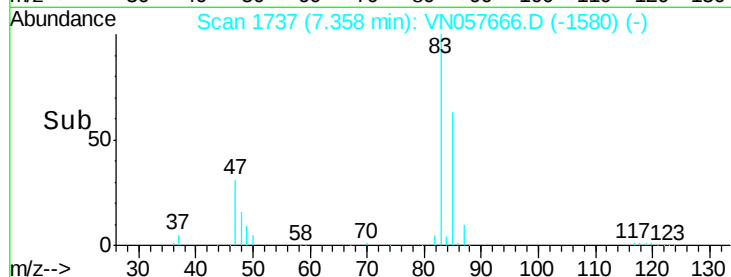
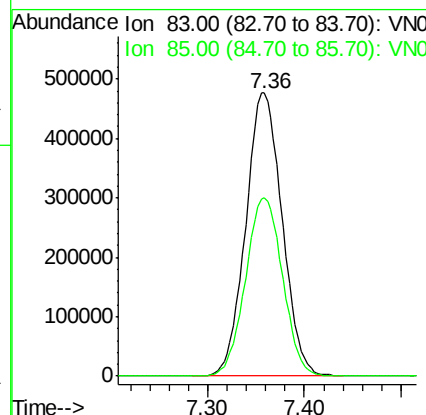
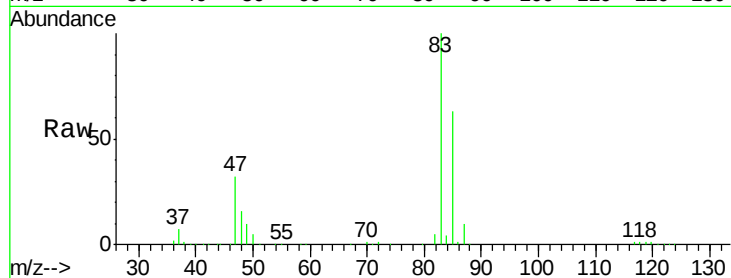
#25
Chloroform
Concen: 174.534 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1243913
Ion Ratio Lower Upper
83 100
85 63.0 50.8 76.2

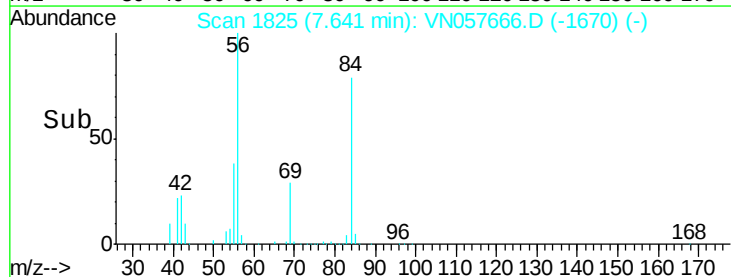
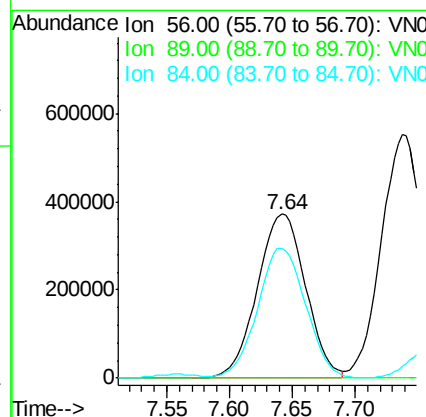
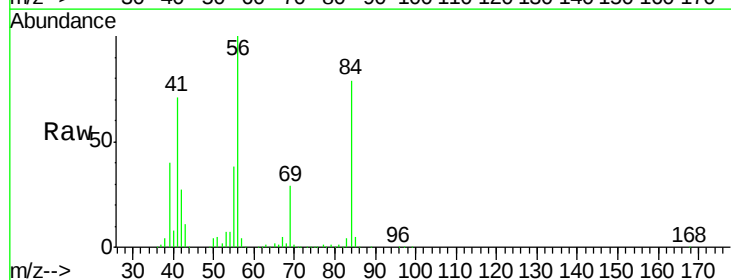
Manual Integrations
APPROVED

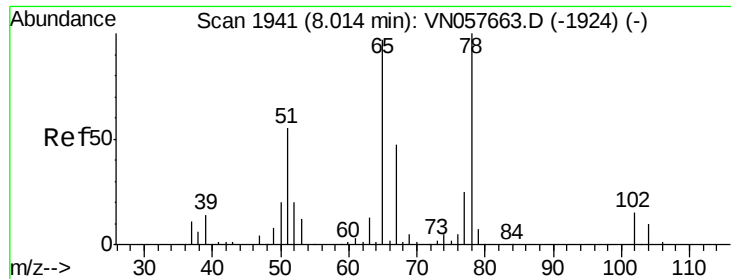
MMDadoda
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#26
Cyclohexane
Concen: 197.147 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 56 Resp: 998845
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 79.1 60.4 90.6





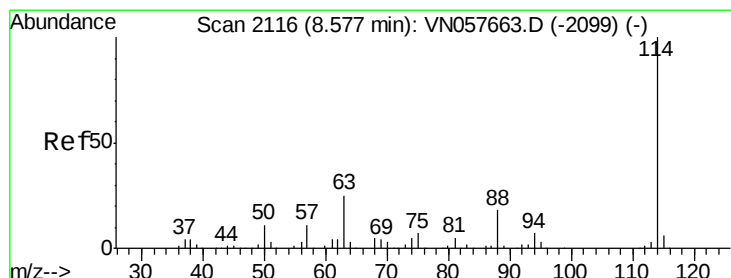
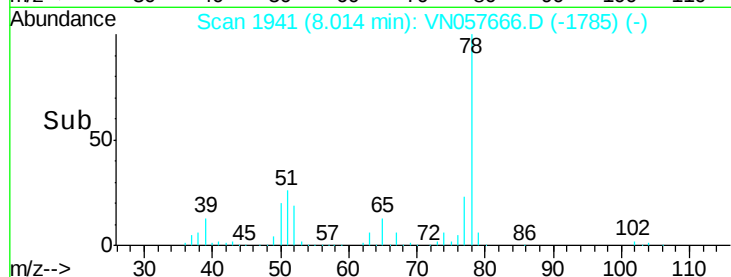
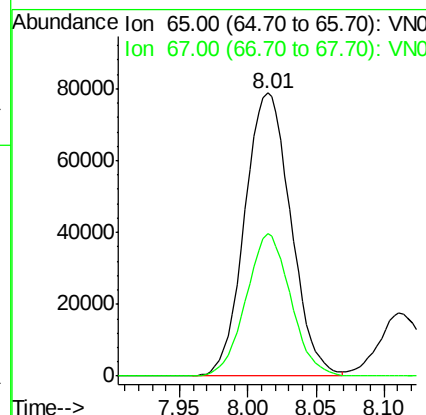
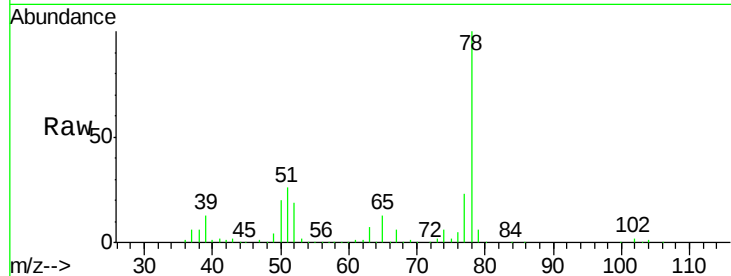
#27
 1,2-Dichloroethane-d4
 Concen: 37.791 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.8	38.6	57.8

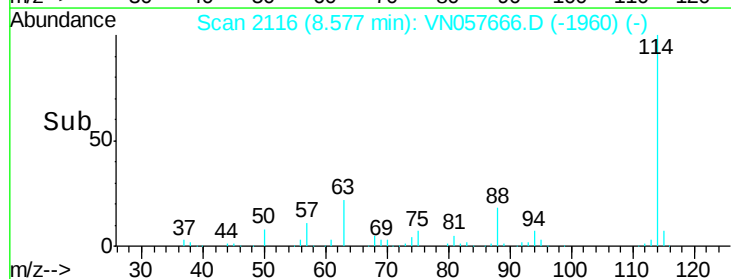
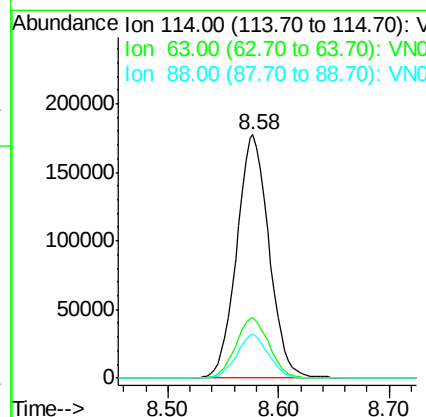
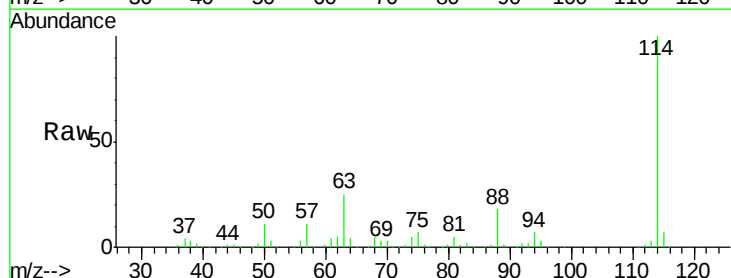
Manual Integrations
 APPROVED

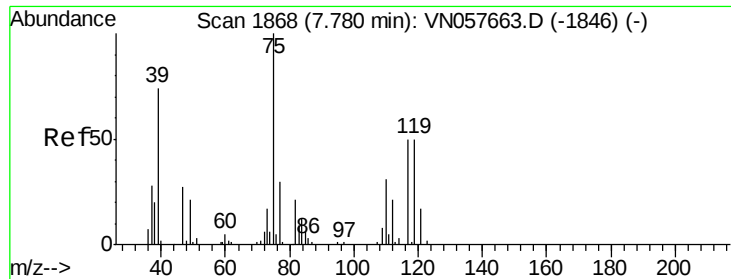
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.6	30.8
88	17.7	14.3	21.5





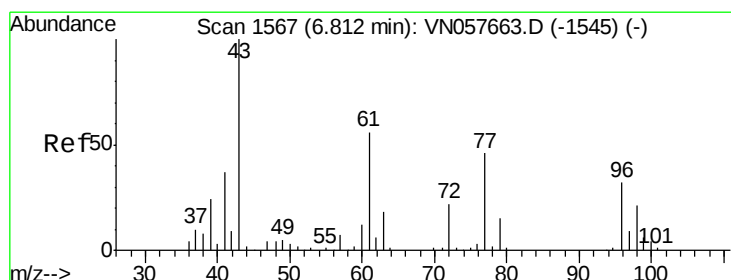
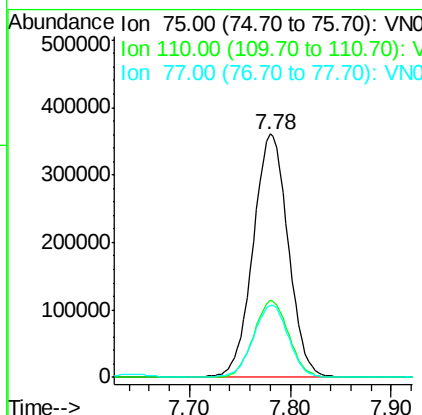
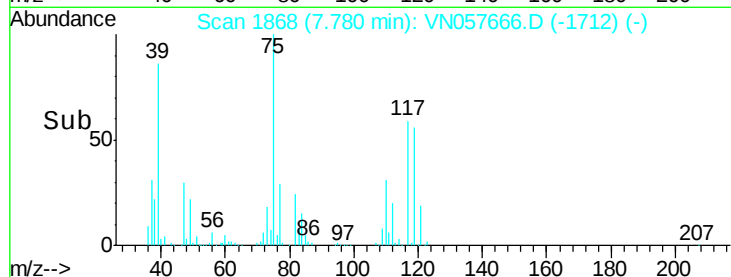
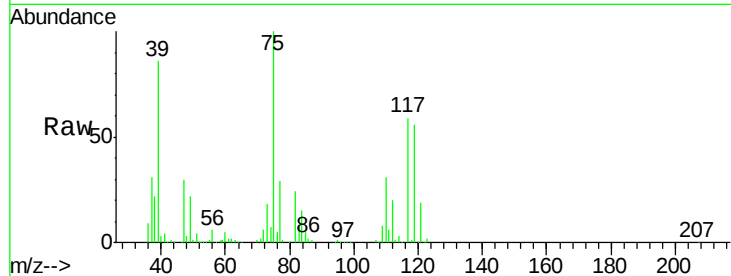
#29
 1,1-Dichloropropene
 Concen: 173.828 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100			
110	110	31.4	0.0	62.8	
77	77	30.0	0.0	57.8	

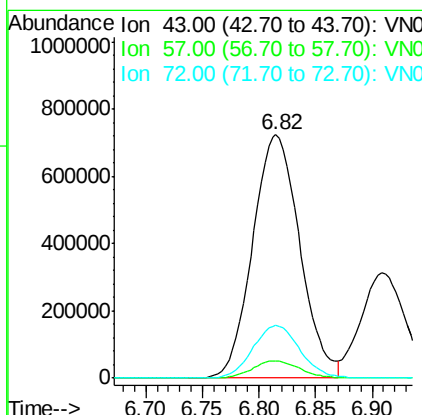
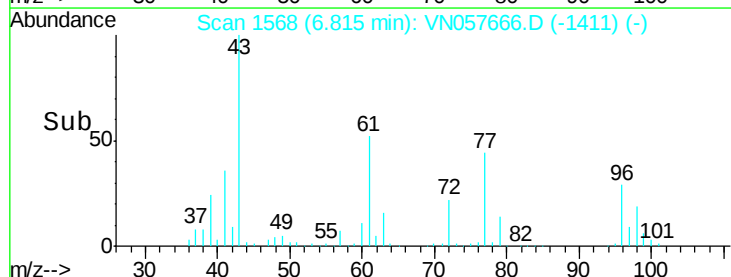
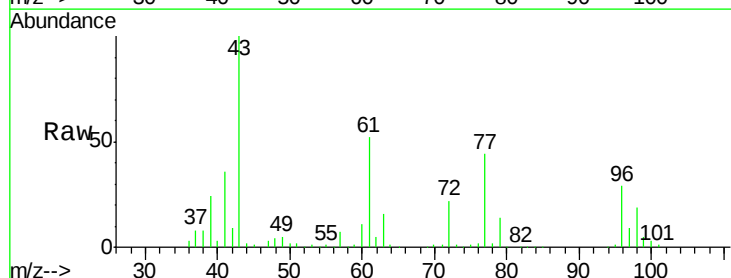
Manual Integrations
 APPROVED

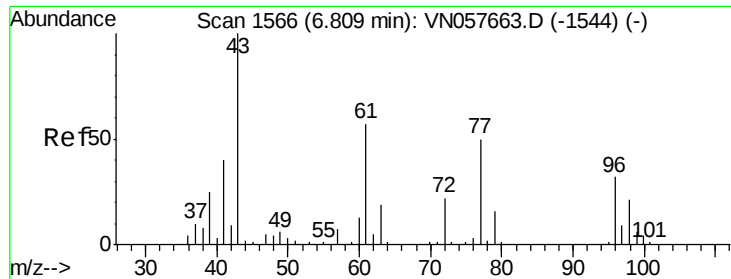
MMDadoda
 9/5/2019 3:21:13 PM



#30
 2-Butanone
 Concen: 1187.080 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100			
57	57	7.1	2.6	3.8#	
72	72	21.8	18.1	27.1	





#31

2,2-Dichloropropane

Concen: 183.213 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 77 Resp: 1098592

Ion Ratio Lower Upper

77 100

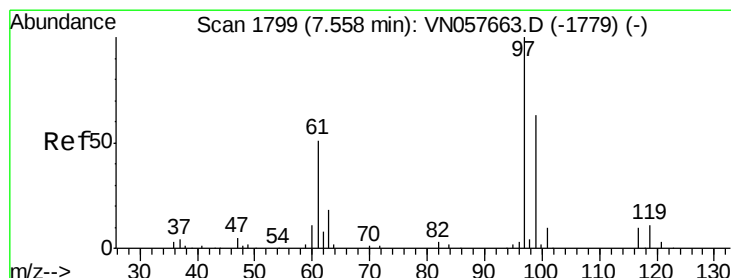
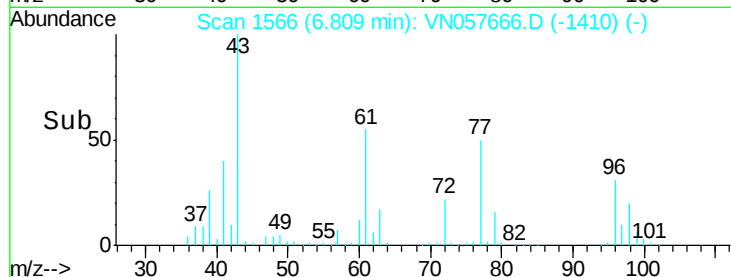
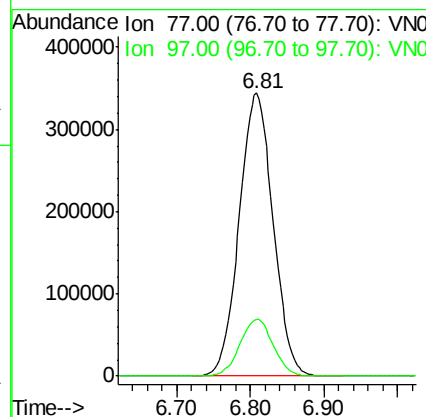
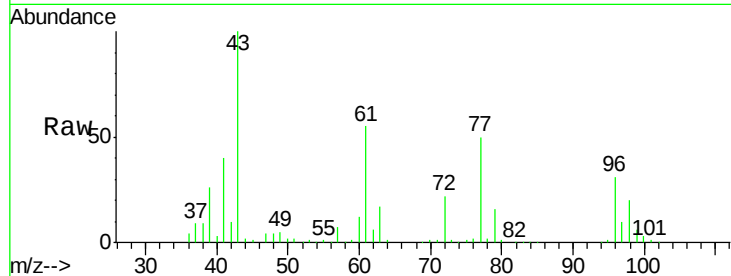
97 19.8 8.8 13.2#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 171.259 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

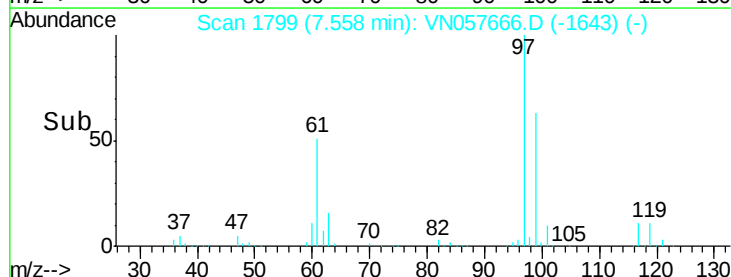
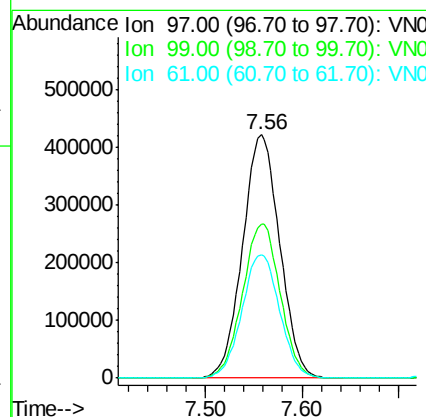
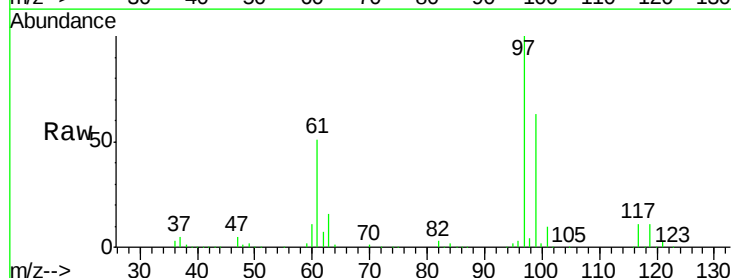
Tgt Ion: 97 Resp: 1124800

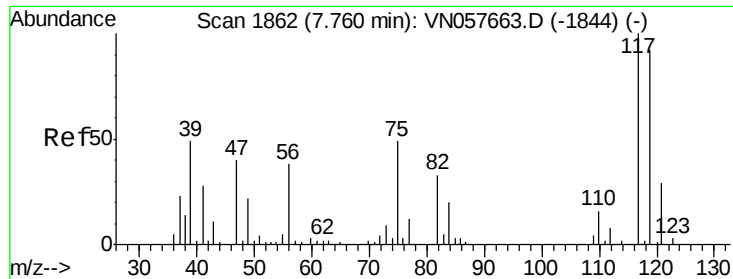
Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

61 51.5 41.4 62.0





#33

Carbon Tetrachloride

Concen: 168.728 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 932387
Ion Ratio Lower Upper

117 100

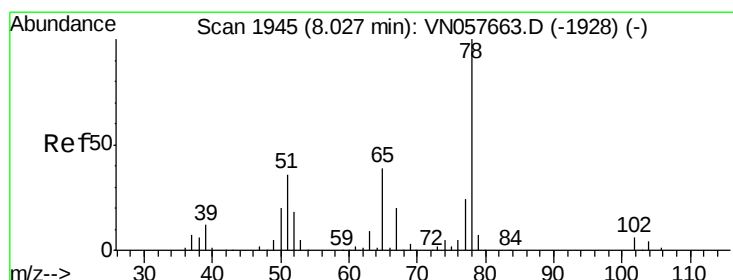
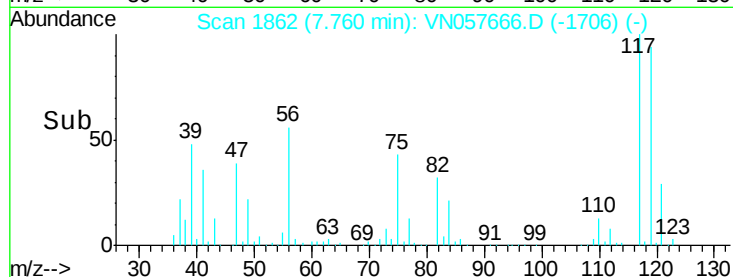
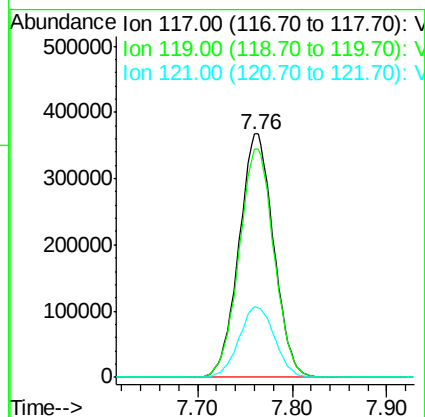
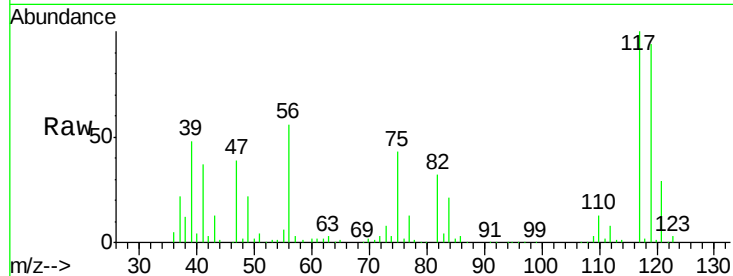
119 93.6 73.3 109.9

121 29.1 23.3 34.9

Manual Integrations
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#34

Benzene

Concen: 165.889 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057666.D

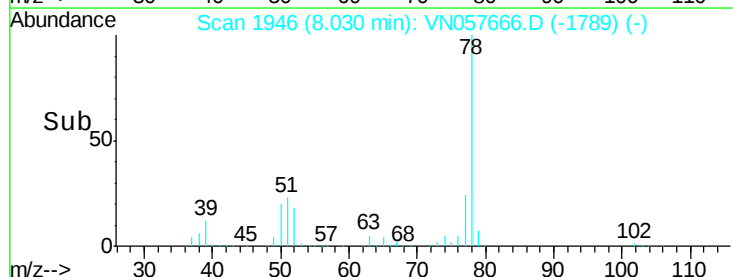
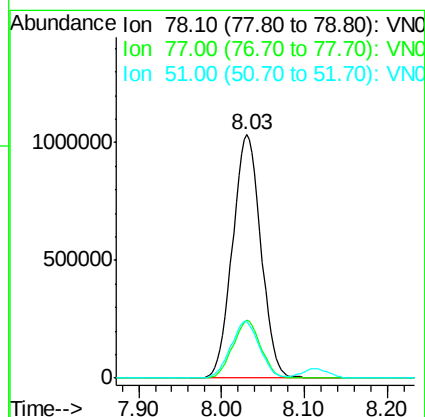
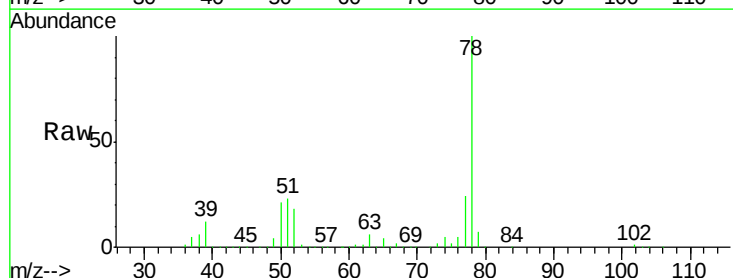
Acq: 3 Sep 2019 16:21

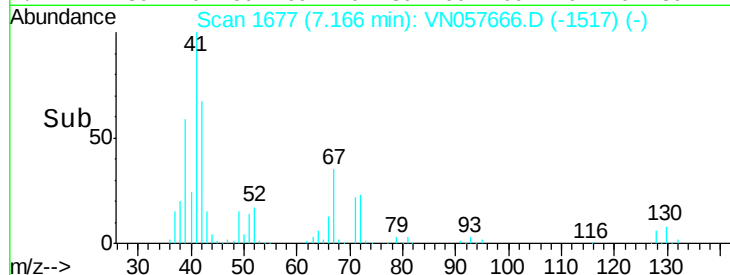
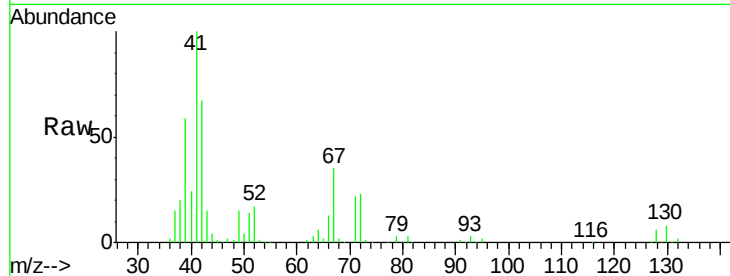
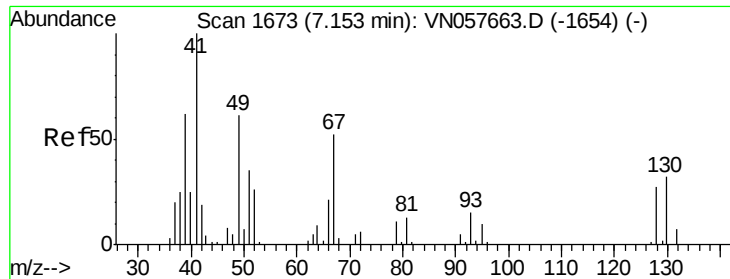
Tgt Ion: 78 Resp: 2463863
Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2

51 23.2 29.0 43.6#





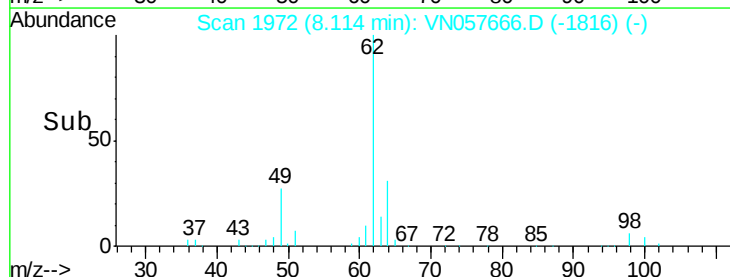
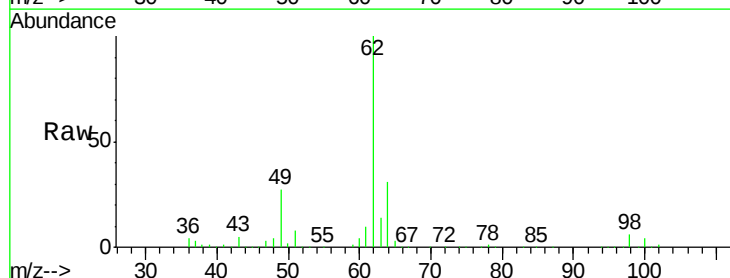
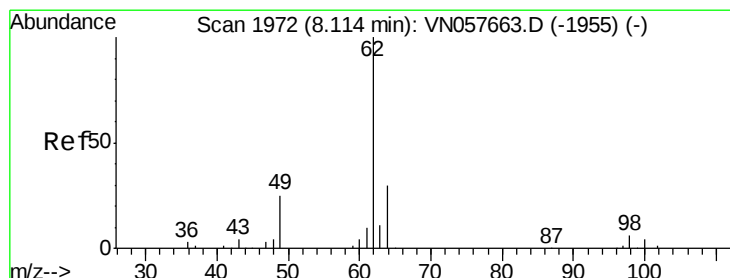
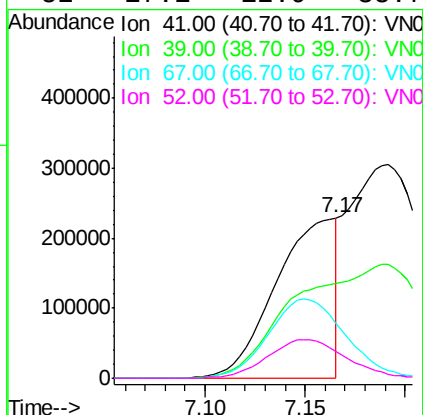
#35
Methacrylonitrile
Concen: 285.913 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tot Ion	41	Resp	482030
Ion Ratio	Lower	Upper	
41	100		
39	58.8	31.0	93.0
67	34.7	25.9	77.7
52	17.1	12.9	38.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

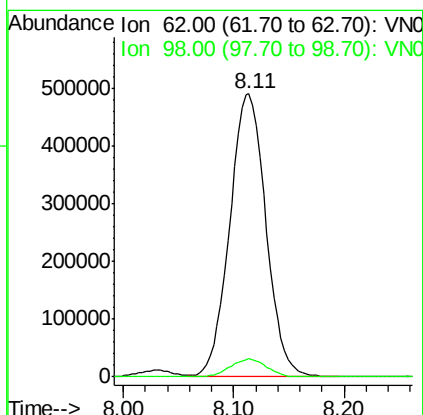
Manual Integrations
APPROVED

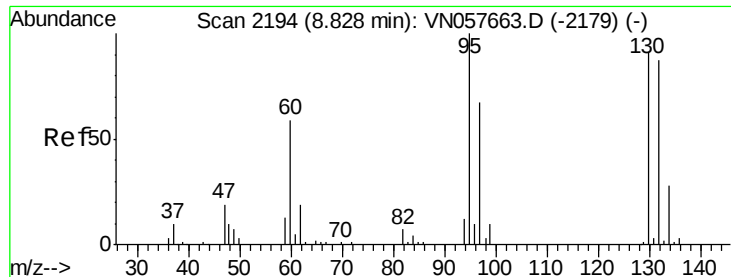
MMDadoda
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#36
1,2-Dichloroethane
Concen: 196.581 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	62	Resp	1112241
Ion Ratio	Lower	Upper	
62	100		
98	6.4	0.0	0.0#





#37

Trichloroethene

Concen: 144.327 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 596904

Ion Ratio Lower Upper

130 100

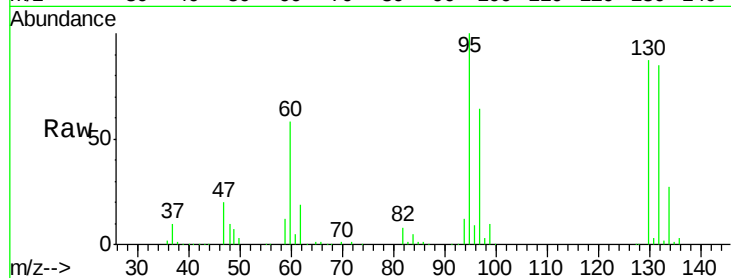
95 115.2 87.5 131.3

Manual Integrations

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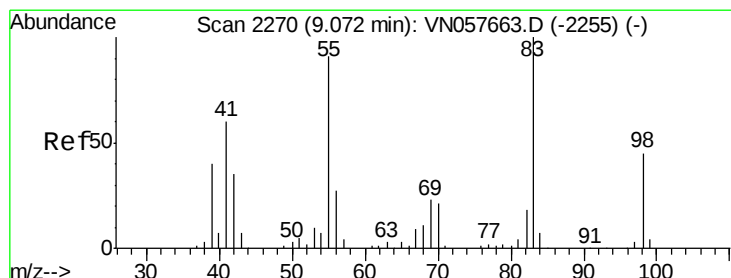
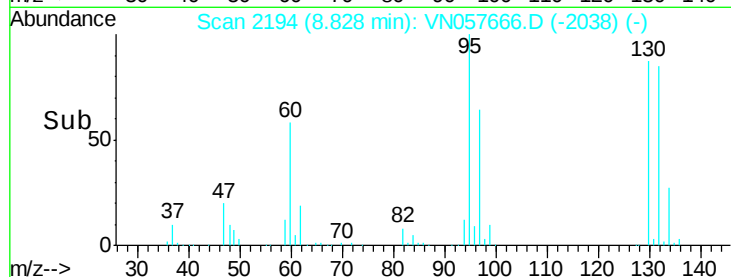
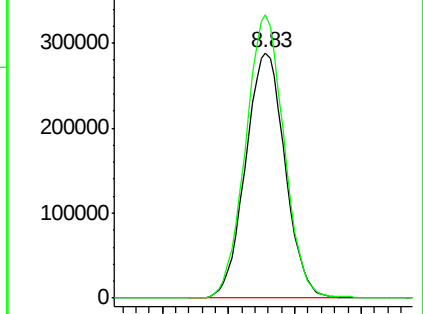
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 160.938 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

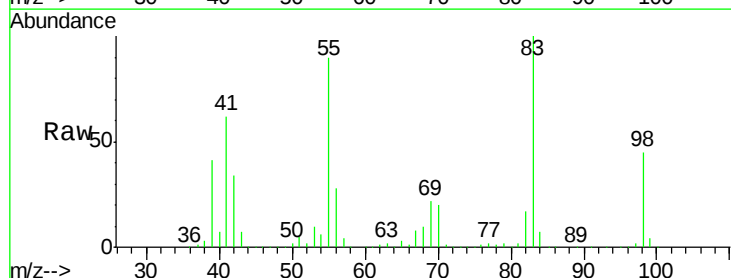
Tgt Ion: 83 Resp: 955175

Ion Ratio Lower Upper

83 100

55 88.6 45.1 135.3

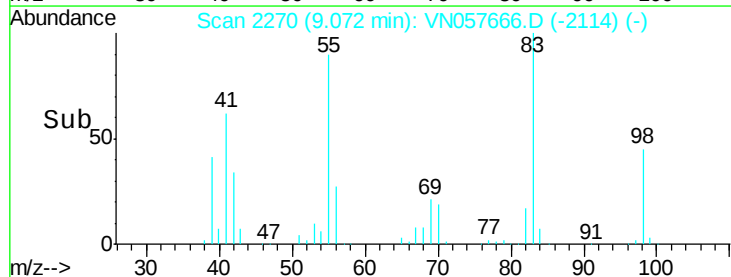
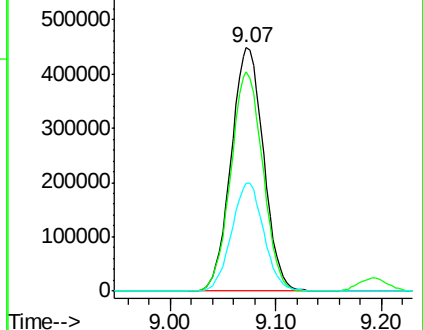
98 44.0 22.5 67.5

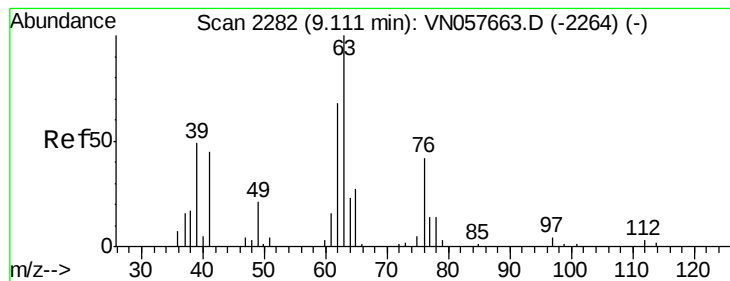


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 180.686 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 675318

Ion Ratio Lower Upper

63 100

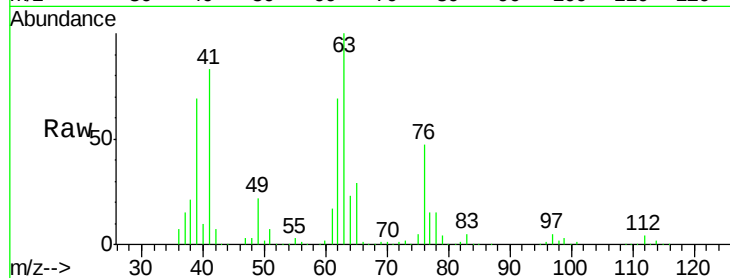
65 29.3 22.2 33.2

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VN057666.D (-2126) (-)

Ion 65.00 (64.70 to 65.70): VN057666.D (-2126) (-)

9.11

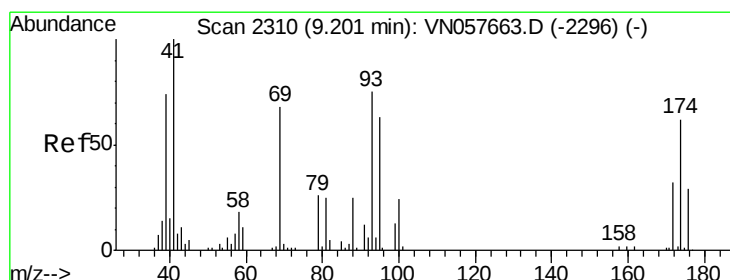
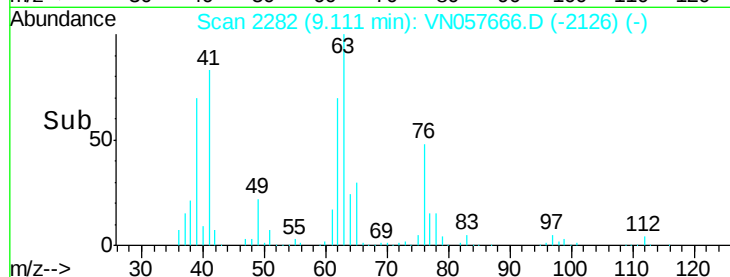
300000

200000

100000

0

Time-->



#40

Dibromomethane

Concen: 164.148 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

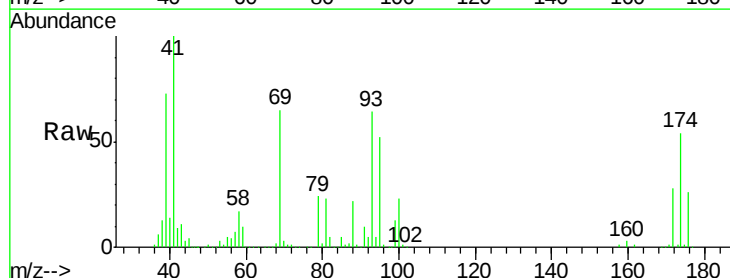
Tgt Ion: 93 Resp: 451500

Ion Ratio Lower Upper

93 100

95 82.0 0.0 168.2

174 85.4 0.0 169.2



Abundance Ion 93.00 (92.70 to 93.70): VN057666.D (-2154) (-)

Ion 95.00 (94.70 to 95.70): VN057666.D (-2154) (-)

Ion 174.00 (173.70 to 174.70): VN057666.D (-2154) (-)

9.20

300000

250000

200000

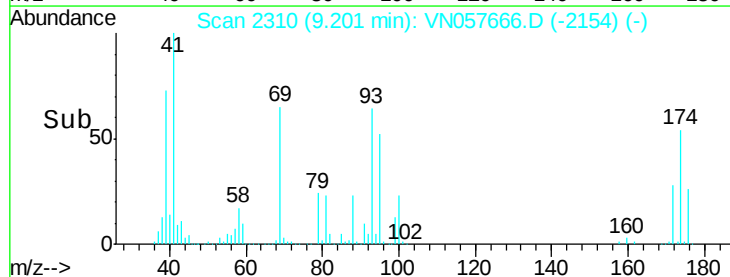
150000

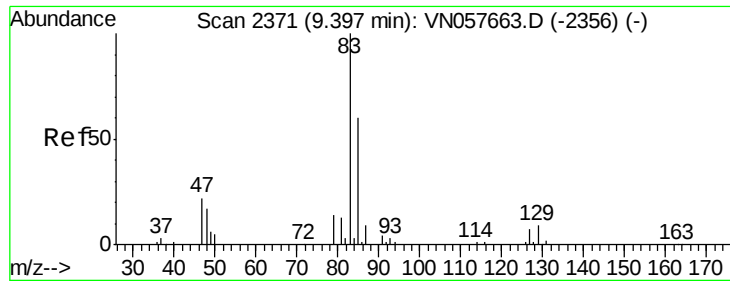
100000

50000

0

Time-->





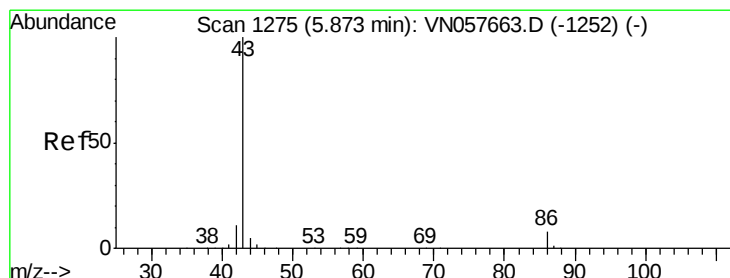
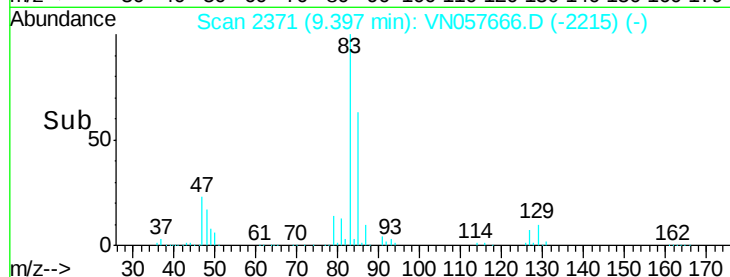
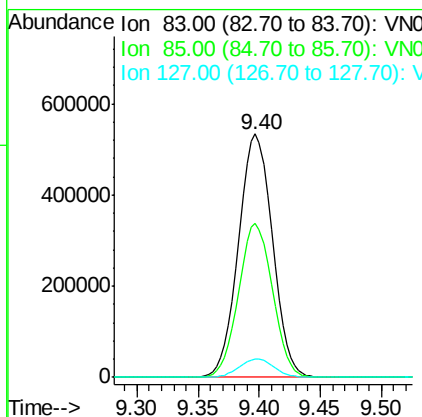
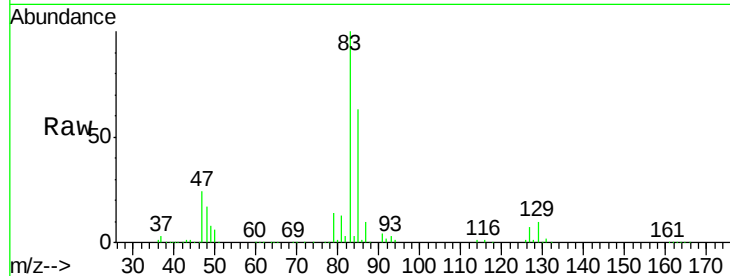
#41
Bromodichloromethane
Concen: 181.041 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	1029477
Ion Ratio	Lower	Upper	
83	100		
85	63.3	48.2	72.4
127	7.5	5.3	7.9

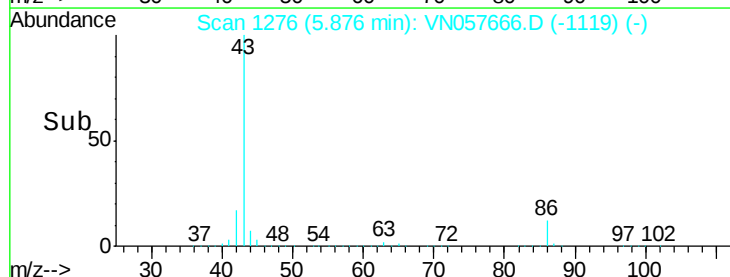
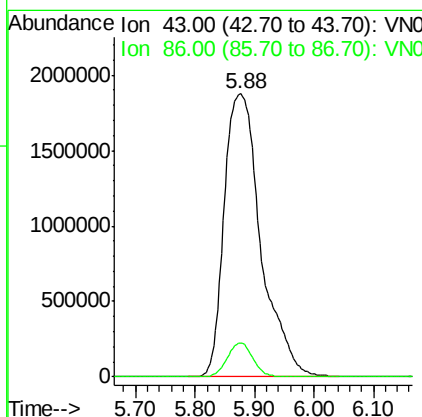
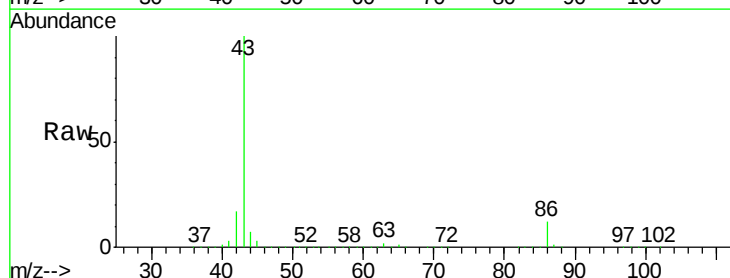
Manual Integrations
APPROVED

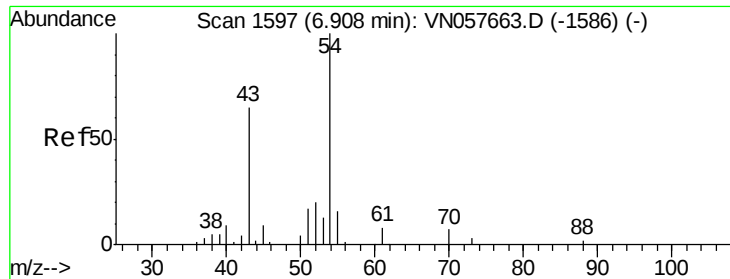
MMDadoda
9/5/2019 3:21:13 PM



#42
Vinyl Acetate
Concen: 1017.884 ug/l
RT: 5.88 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	43	Resp	8048098
Ion Ratio	Lower	Upper	
43	100		
86	8.4	5.4	8.2#





#43

Ethyl Acetate

Concen: 262.103 ug/l m

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 897030

Ion Ratio Lower Upper

43 100

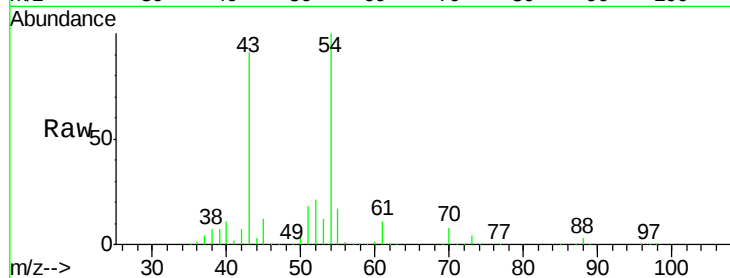
45 1.8 5.0 7.6#

Manual Integrations

APPROVED

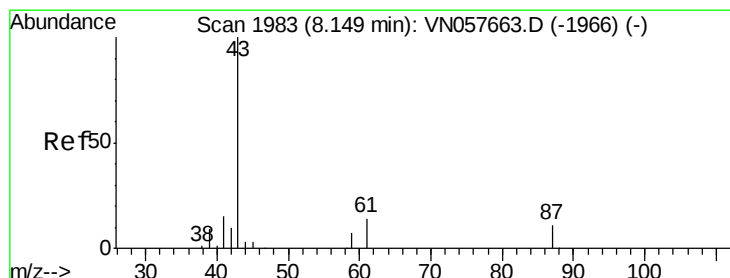
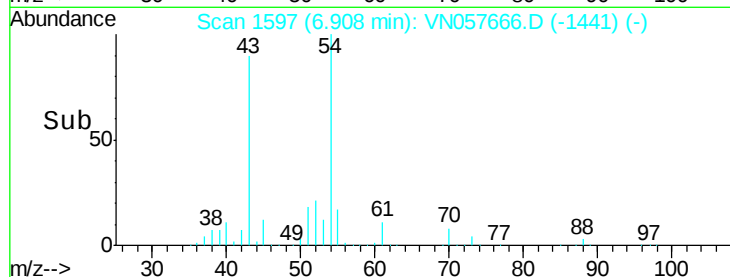
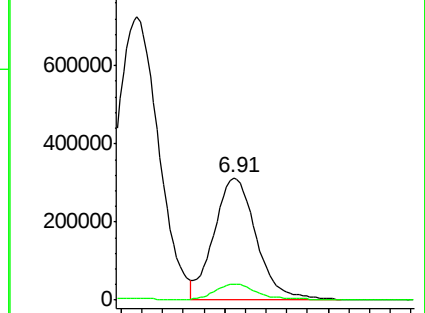
MMDadoda

9/5/2019 3:21:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 243.571 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057666.D

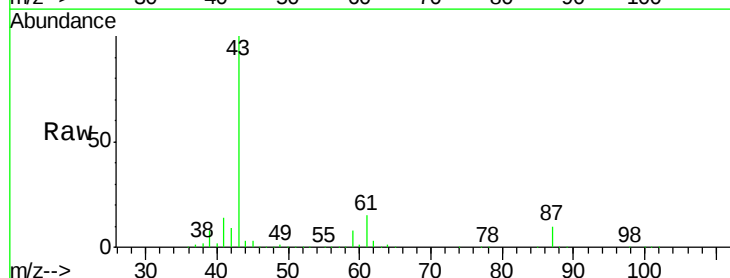
Acq: 3 Sep 2019 16:21

Tgt Ion: 43 Resp: 1661327

Ion Ratio Lower Upper

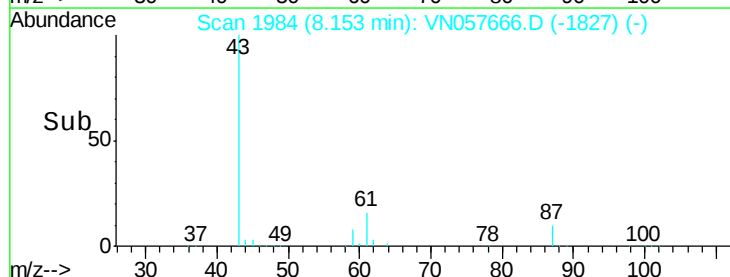
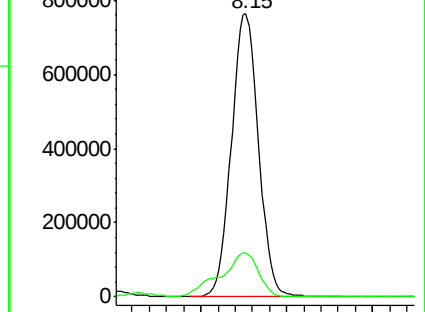
43 100

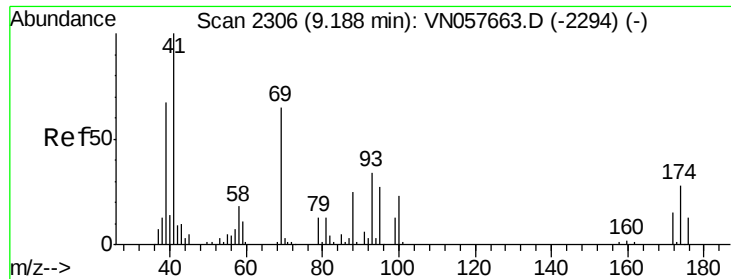
61 22.3 12.6 18.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





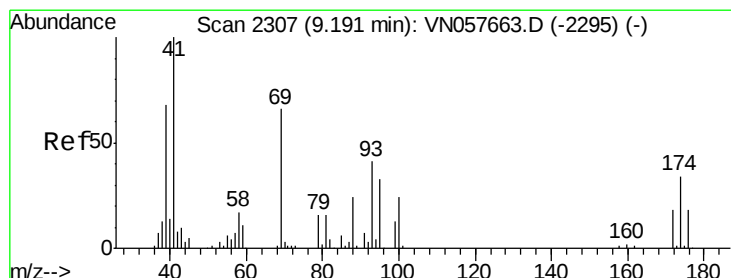
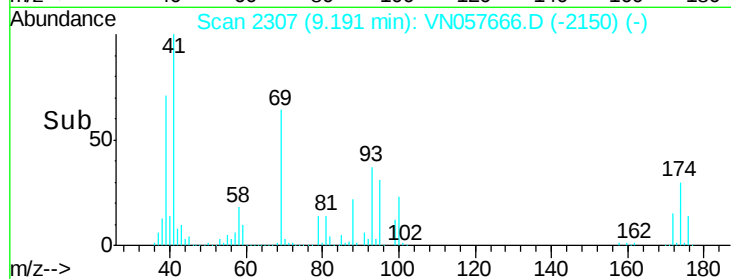
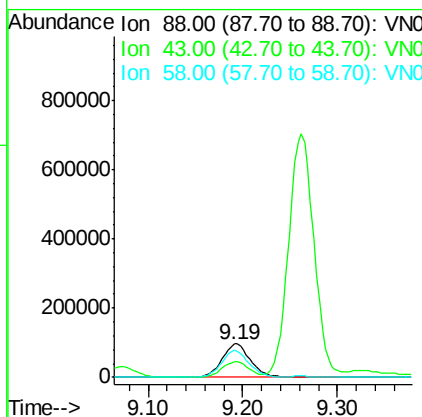
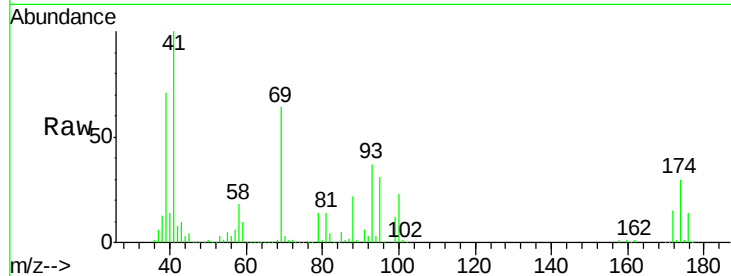
#45
 1,4-Dioxane
 Concen: 3685.036 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	202192		
43	44.8	31.0	46.4	
58	78.3	58.2	87.2	

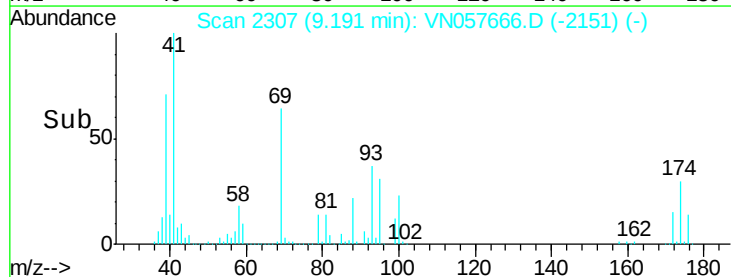
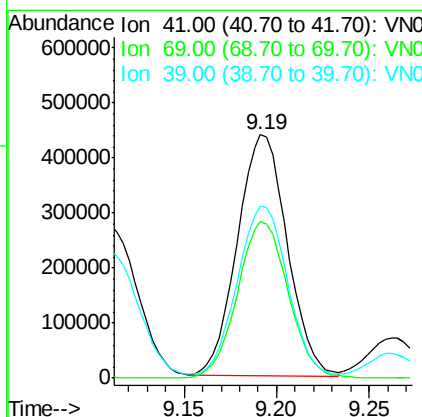
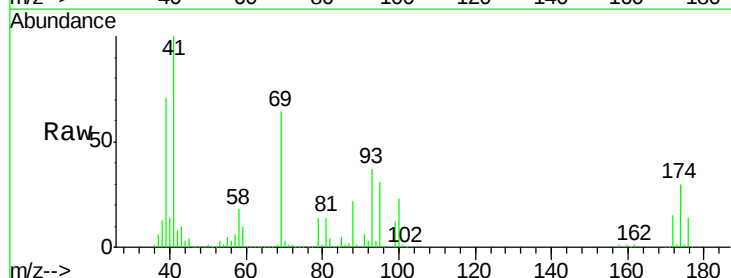
Manual Integrations
 APPROVED

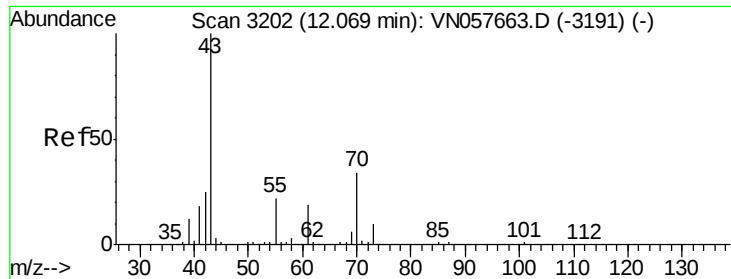
MMDadoda
 9/5/2019 3:21:13 PM



#46
 Methyl methacrylate
 Concen: 258.593 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	817834		
69	64.7	33.1	99.2	
39	70.0	34.0	102.0	





#47

n-amvl Acetate

Concen: 259.075 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1407578

Ion Ratio Lower Upper

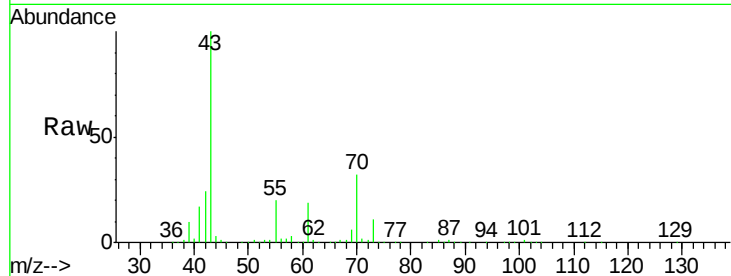
43 100

55 20.2 17.5 26.3

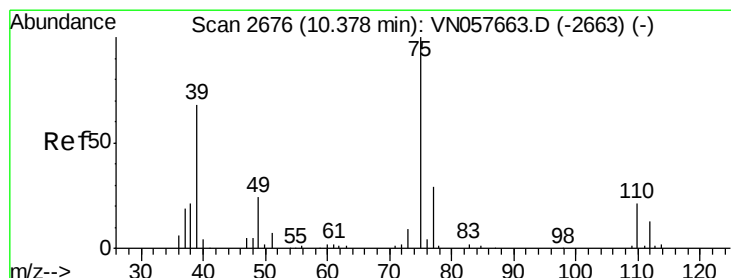
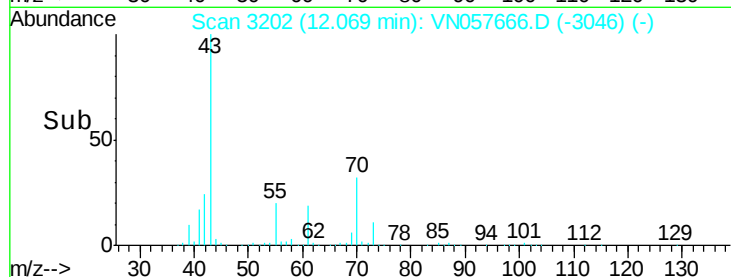
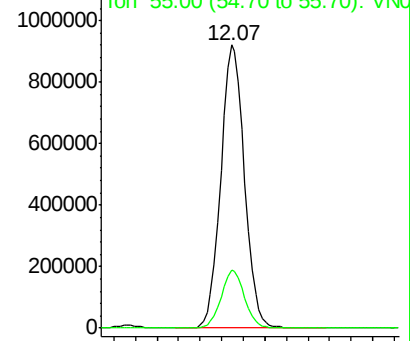
Manual Integrations
APPROVED

MMDadoda

9/5/2019 3:21:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0



#48

t-1,3-Dichloropropene

Concen: 192.938 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057666.D

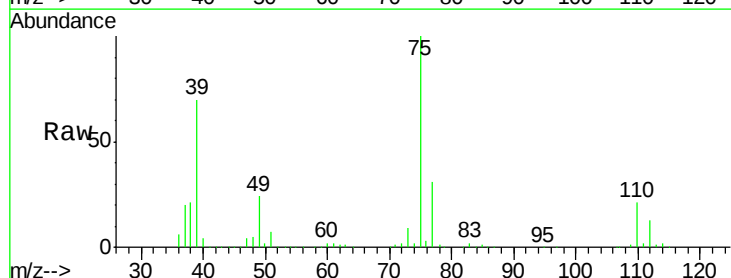
Acq: 3 Sep 2019 16:21

Tgt Ion: 75 Resp: 1108411

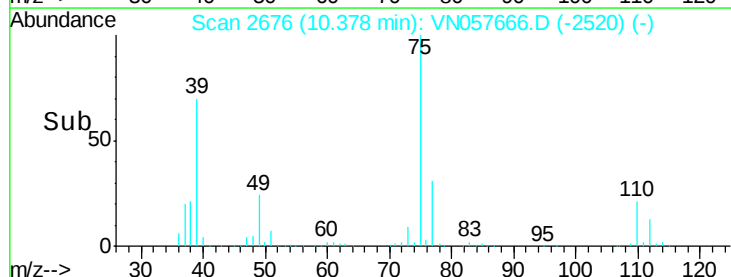
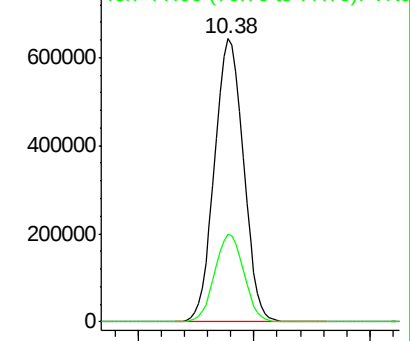
Ion Ratio Lower Upper

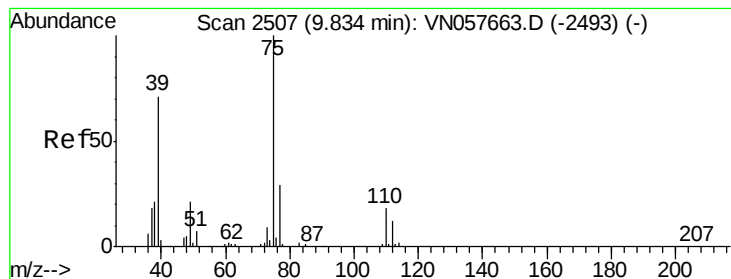
75 100

77 30.8 23.1 34.7



Abundance Ion 75.00 (74.70 to 75.70): VN0





#49

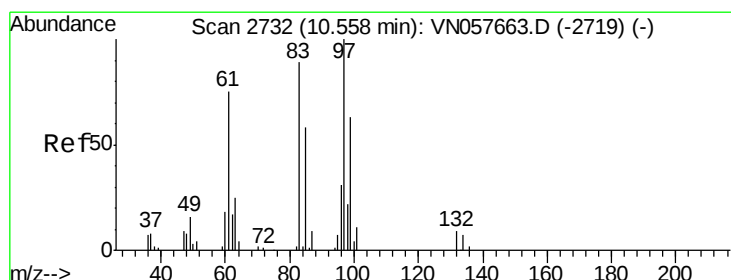
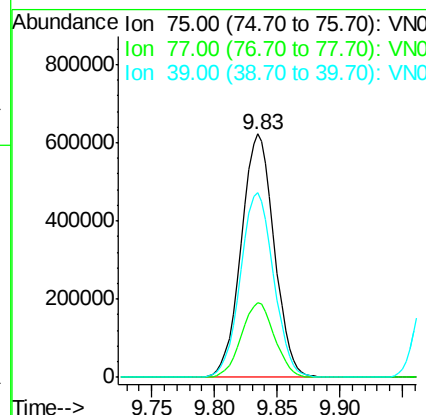
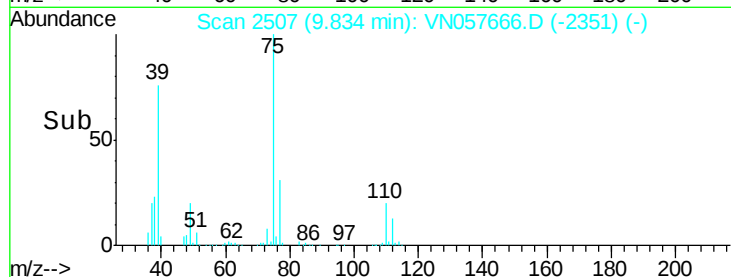
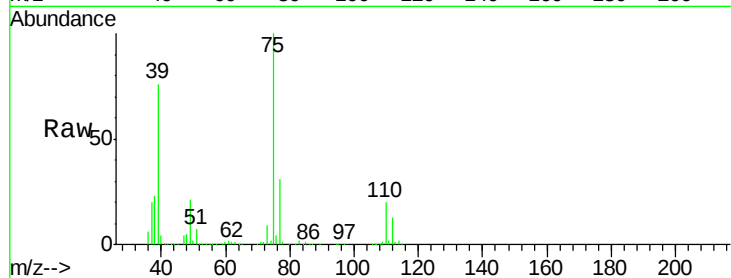
cis-1,3-Dichloropropene
Concen: 183.559 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	23.4	35.2
39	76.1	56.6	85.0

Manual Integrations
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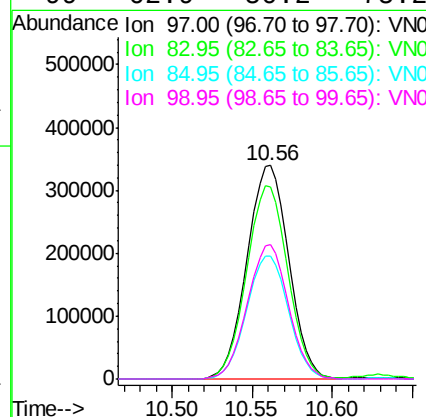
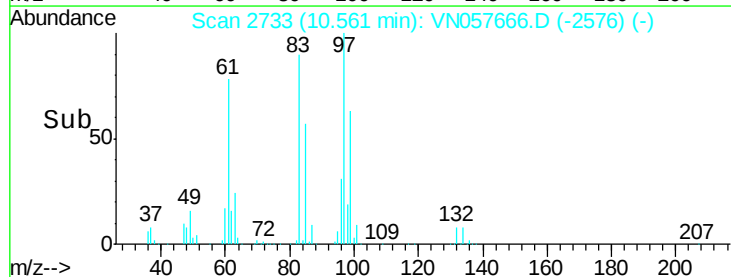
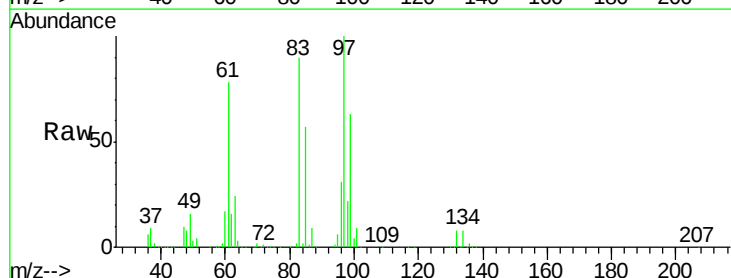
MMDadoda
9/5/2019 3:21:13 PM

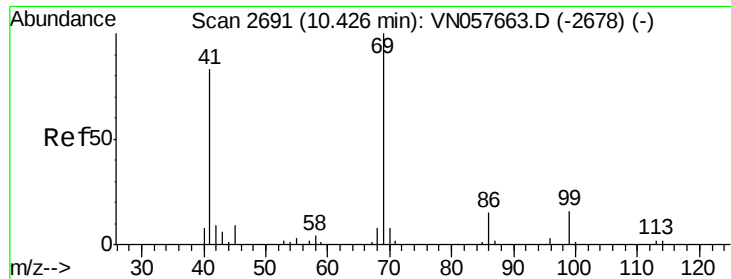


#50

1,1,2-Trichloroethane
Concen: 154.644 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.4	107.2
85	57.3	46.0	69.0
99	62.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 199.027 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 69 Resp: 1057307

Ion Ratio Lower Upper

69 100

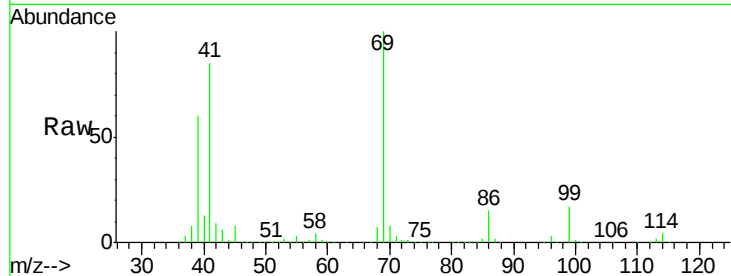
41 84.8 41.5 124.5

39 60.1 29.6 88.9

Manual Integrations
APPROVED

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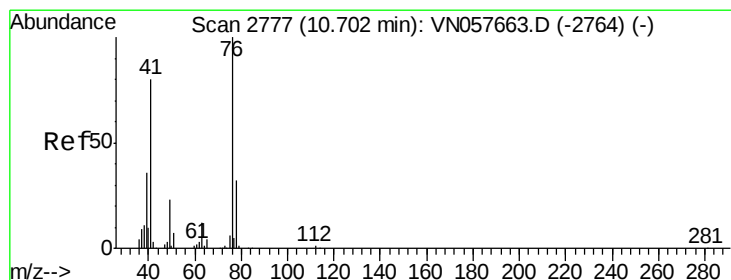
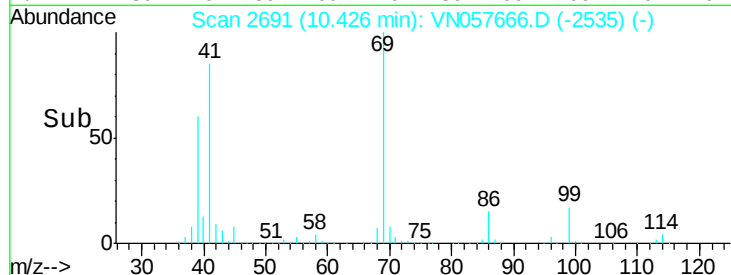
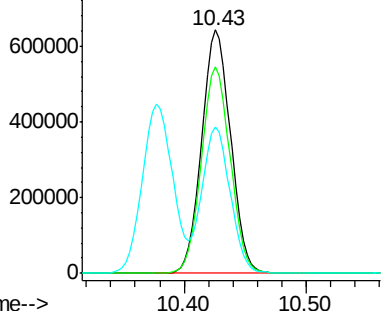
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Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 172.358 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057666.D

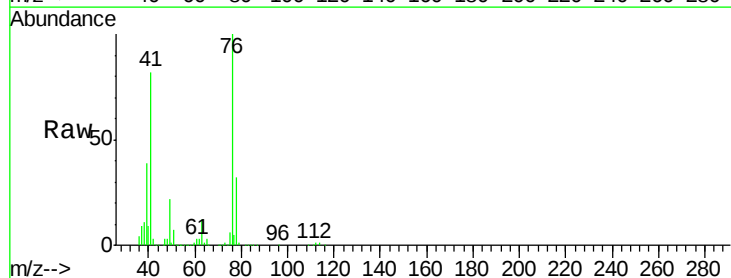
Acq: 3 Sep 2019 16:21

Tgt Ion: 76 Resp: 1077700

Ion Ratio Lower Upper

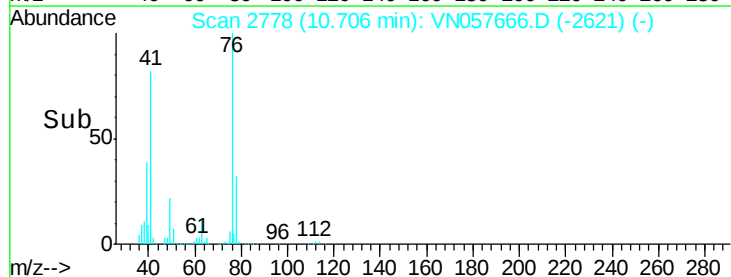
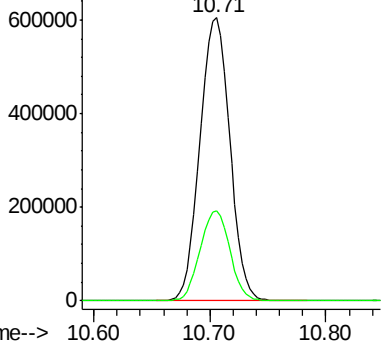
76 100

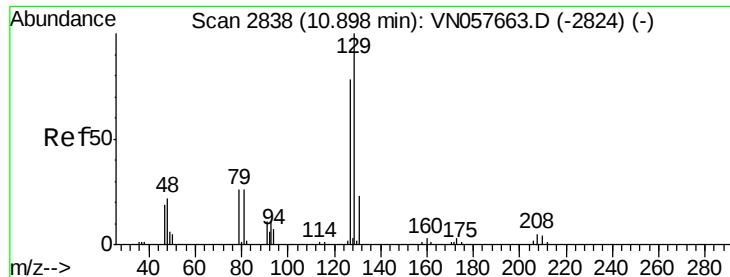
78 31.7 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 163.475 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 708886

Ion Ratio Lower Upper

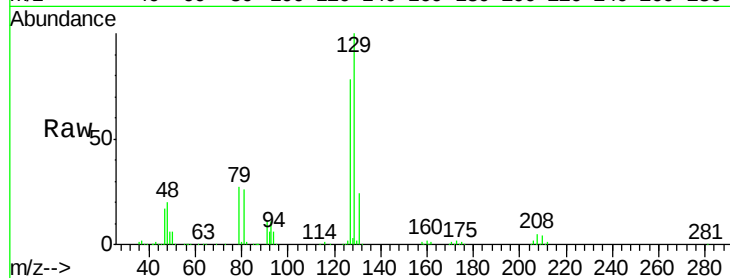
129 100

127 77.9 39.1 117.3

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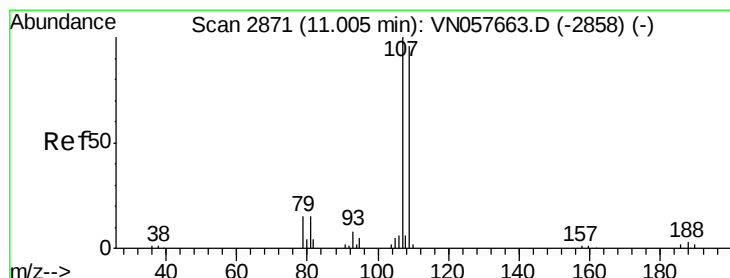
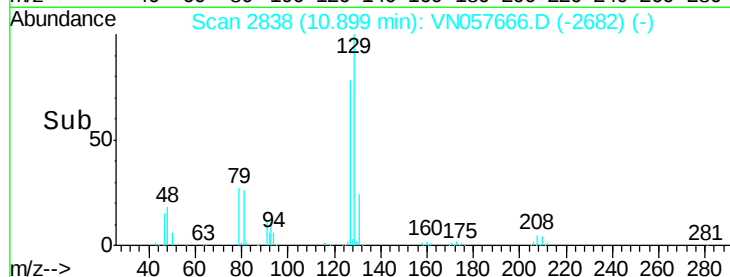
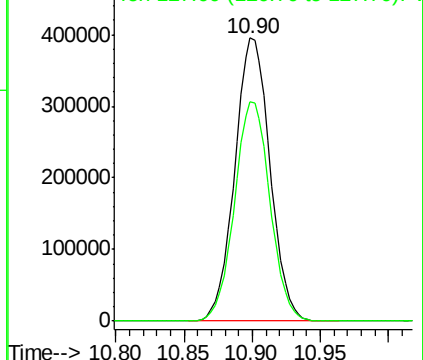
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 158.547 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057666.D

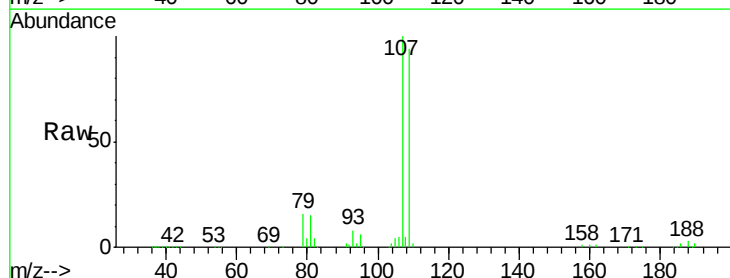
Acq: 3 Sep 2019 16:21

Tgt Ion:107 Resp: 639780

Ion Ratio Lower Upper

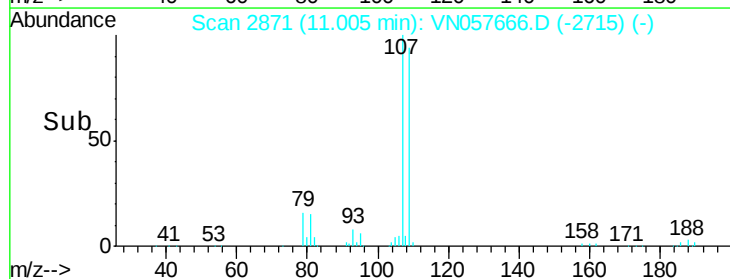
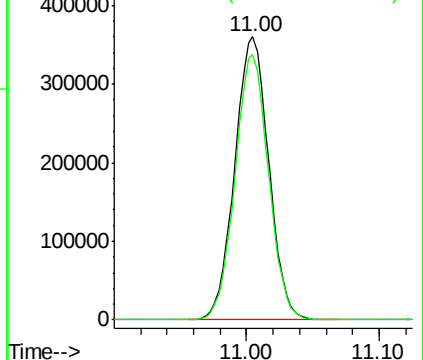
107 100

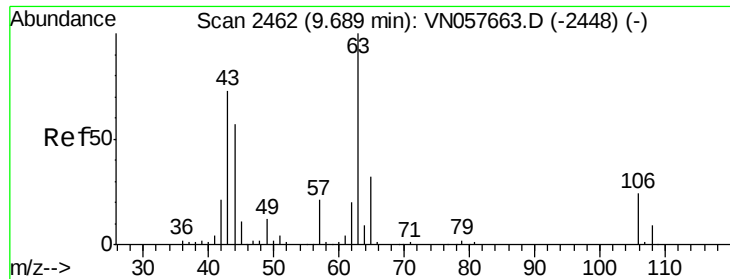
109 92.5 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 1284.024 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 1762092

Ion Ratio Lower Upper

63 100

65 31.6 25.6 38.4

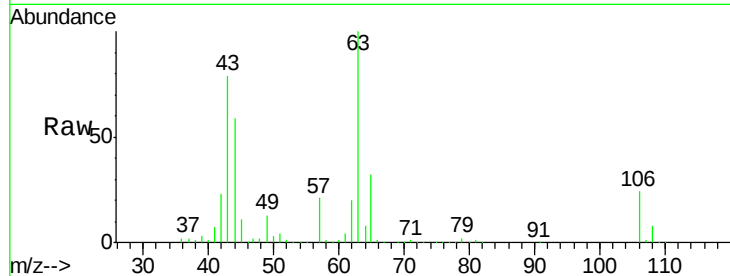
106 24.3 19.5 29.3

Manual Integrations

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9/5/2019 3:21:13 PM

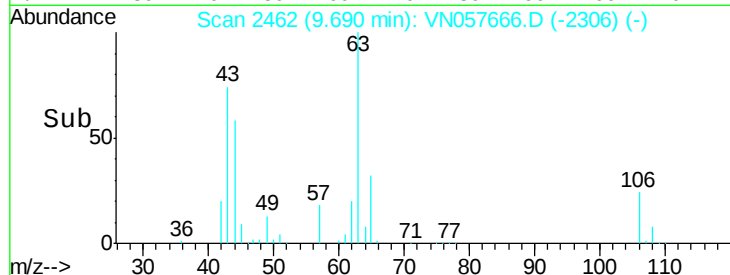


Abundance Ion 63.00 (62.70 to 63.70): VN057663.D (-2448) (-)

Ion 65.00 (64.70 to 65.70): VN057663.D (-2448) (-)

Ion 106.00 (105.70 to 106.70): VN057663.D (-2448) (-)

Time-->

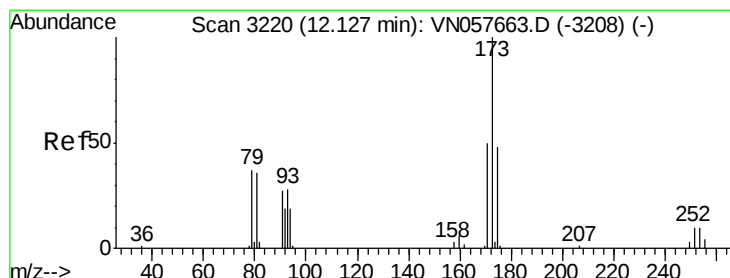


Abundance Ion 63.00 (62.70 to 63.70): VN057666.D (-2306) (-)

Ion 65.00 (64.70 to 65.70): VN057666.D (-2306) (-)

Ion 106.00 (105.70 to 106.70): VN057666.D (-2306) (-)

Time-->



#56

Bromoform

Concen: 166.556 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

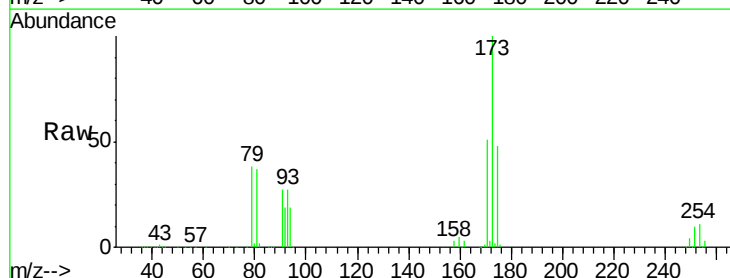
Tgt Ion: 173 Resp: 467600

Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 10.6 7.2 10.8

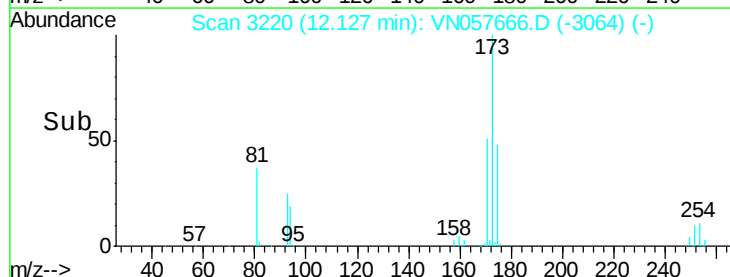


Abundance Ion 173.00 (172.70 to 173.70): VN057663.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN057663.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN057663.D (-3208) (-)

Time-->

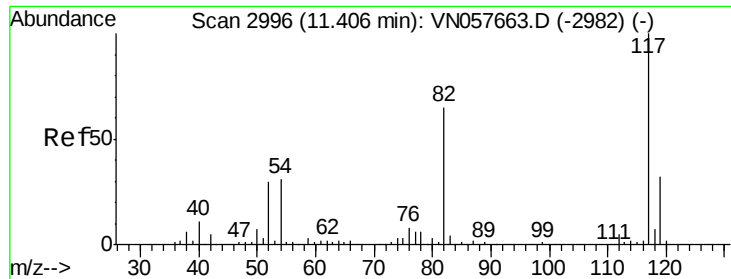


Abundance Ion 173.00 (172.70 to 173.70): VN057666.D (-3064) (-)

Ion 175.00 (174.70 to 175.70): VN057666.D (-3064) (-)

Ion 254.00 (253.70 to 254.70): VN057666.D (-3064) (-)

Time-->



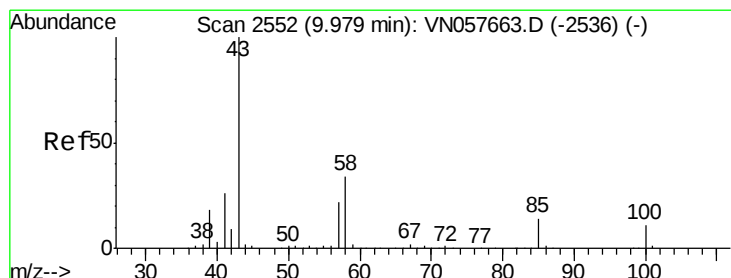
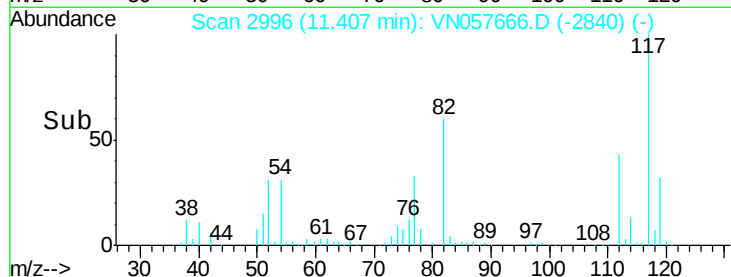
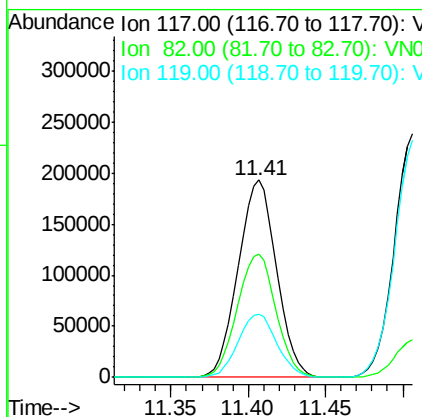
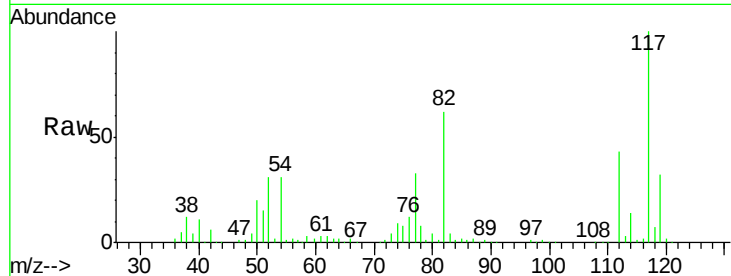
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	51.2	76.8
119	32.4	25.8	38.6

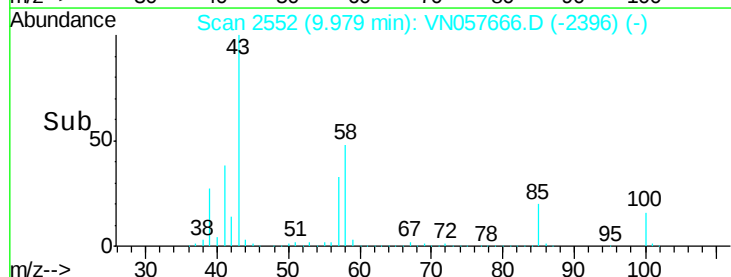
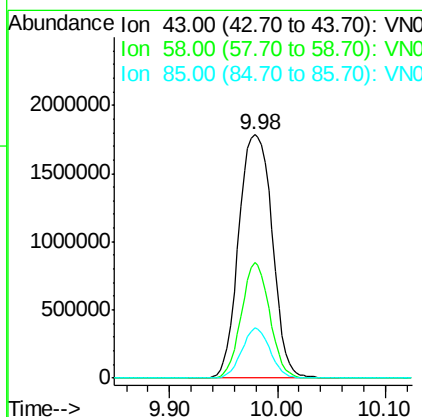
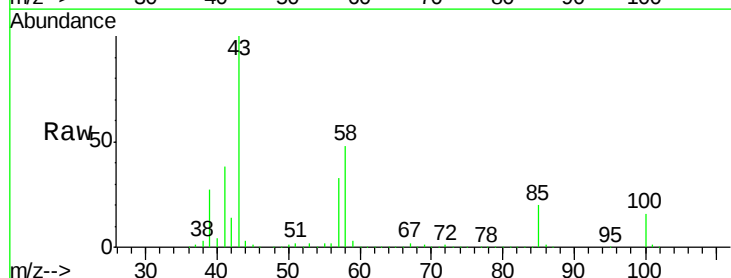
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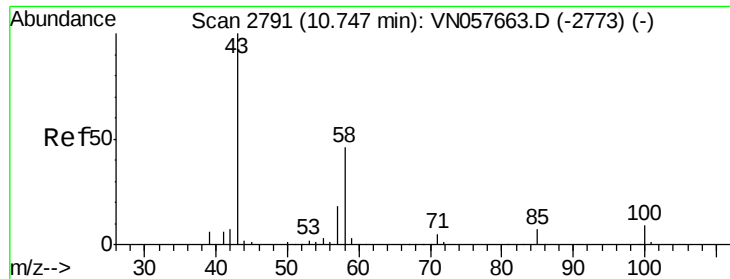
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 1011.731 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	26.7	40.1#
85	17.3	11.2	16.8#





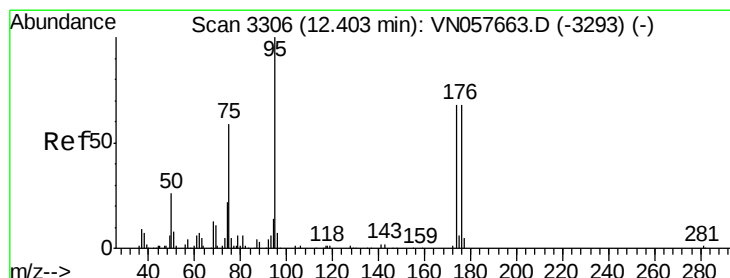
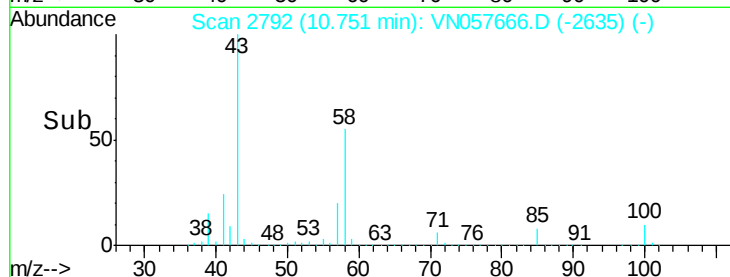
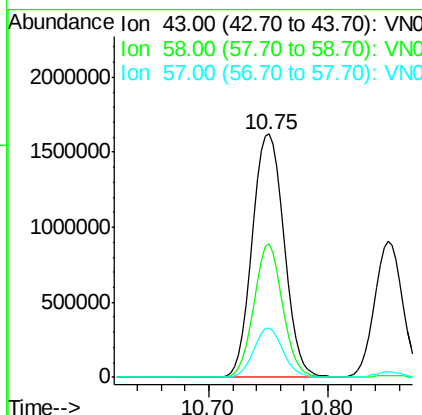
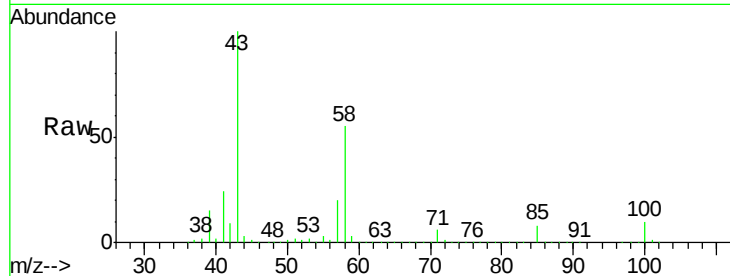
#59
2-Hexanone
Concen: 1141.333 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 3010044
Ion Ratio Lower Upper
43 100
58 49.4 36.1 54.1
57 18.5 14.1 21.1

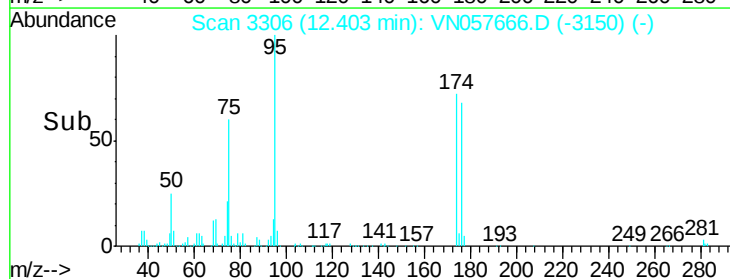
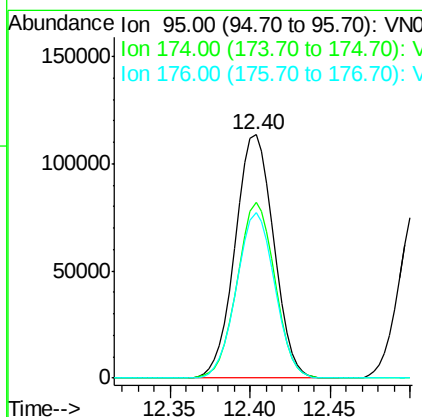
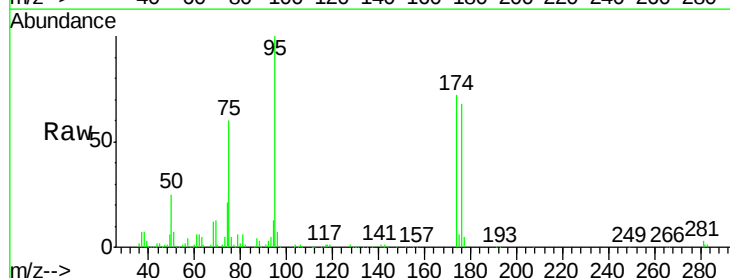
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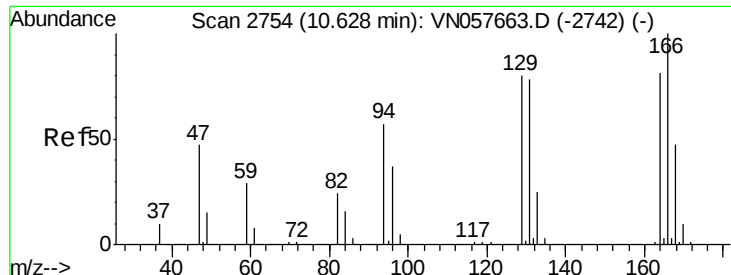
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#60
4-Bromofluorobenzene
Concen: 36.283 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 95 Resp: 186794
Ion Ratio Lower Upper
95 100
174 70.3 55.0 82.6
176 67.3 53.7 80.5





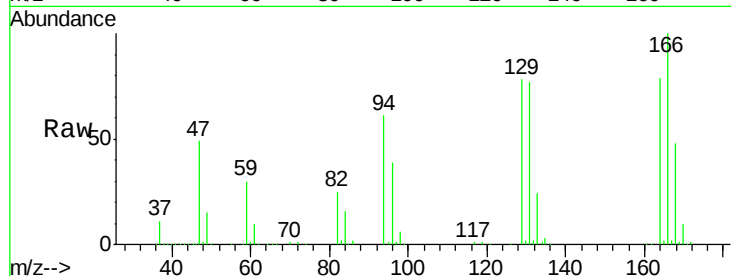
#61
Tetrachloroethene
Concen: 128.944 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

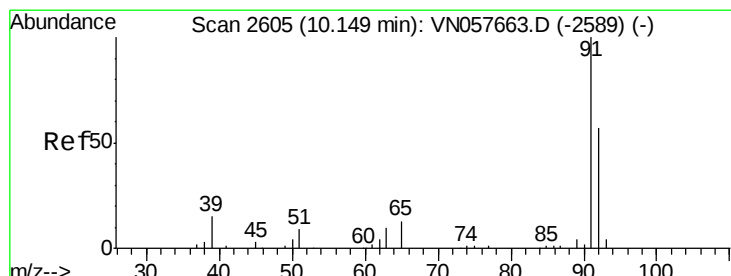
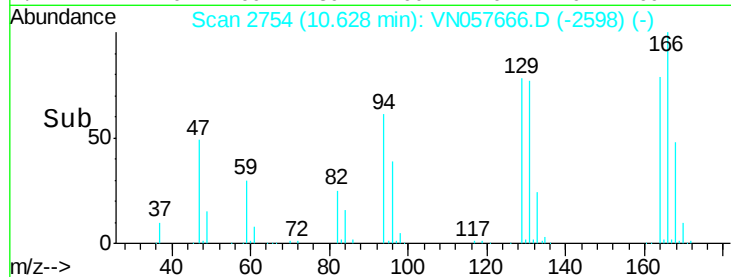
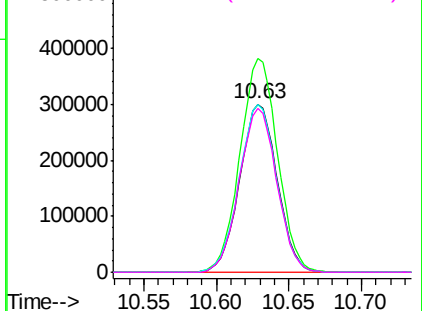
Tot Ion	Ratio	Lower	Upper
164	100		
166	127.0	99.4	149.2
129	99.5	78.8	118.2
131	97.2	78.2	117.2

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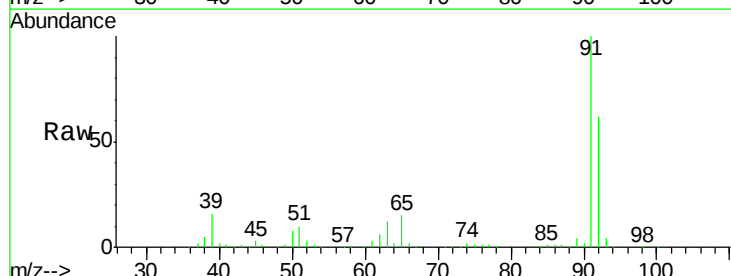


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

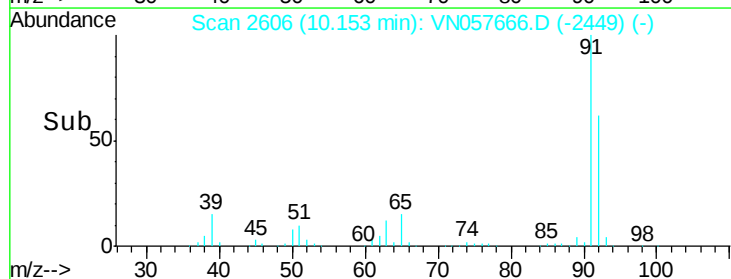
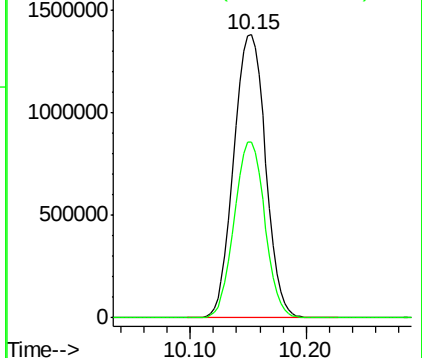


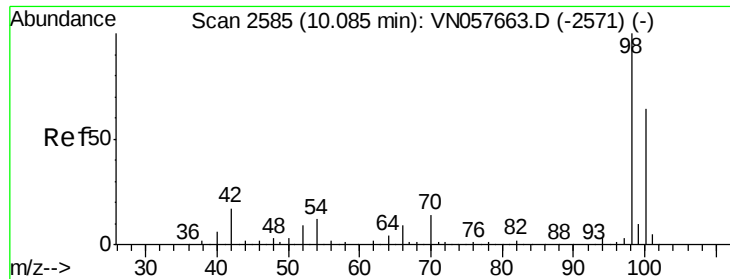
#62
Toluene
Concen: 154.966 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.9	46.1	69.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





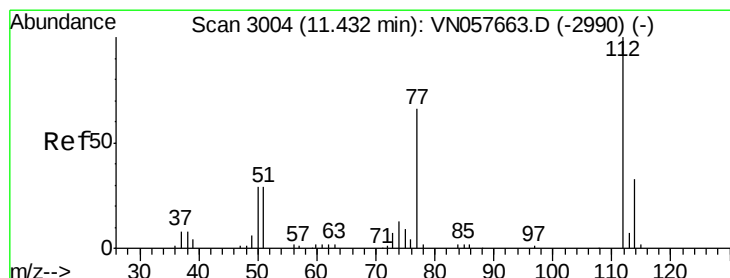
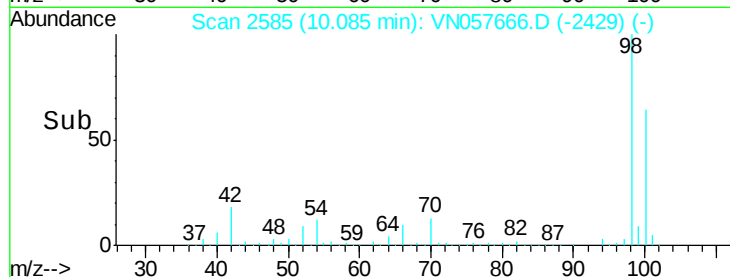
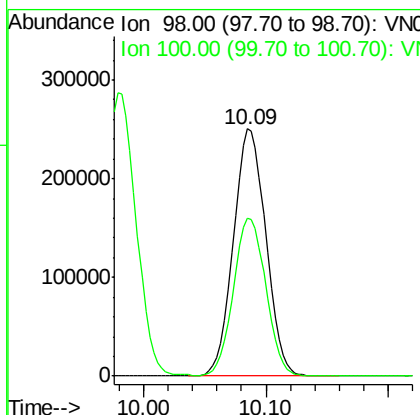
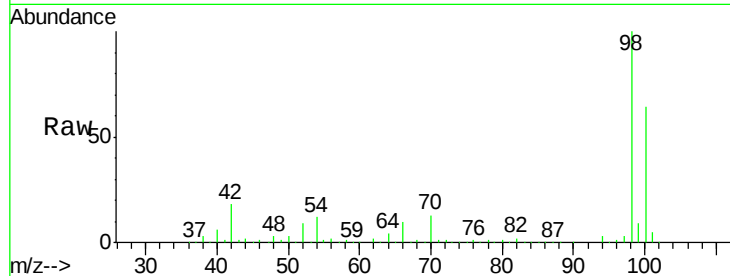
#63
Toluene-d8
Concen: 29.662 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 462155
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6

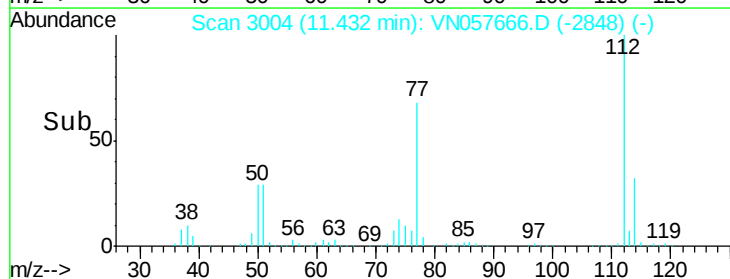
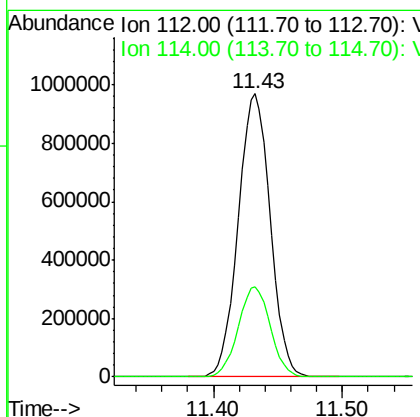
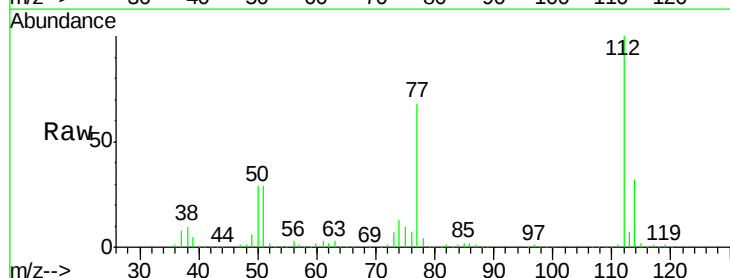
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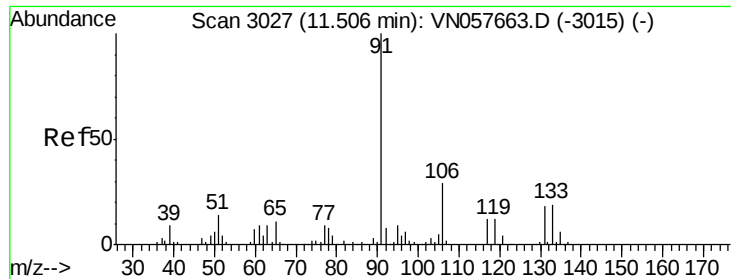
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#64
Chlorobenzene
Concen: 155.682 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 112 Resp: 1671227
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 151.360 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

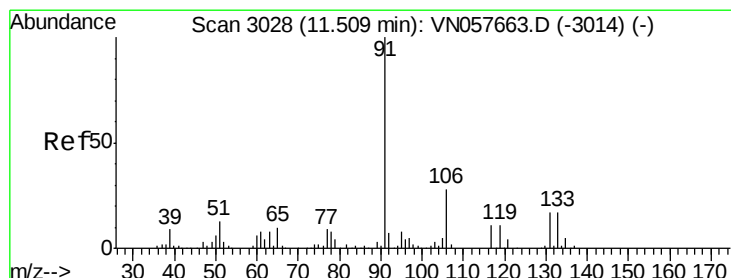
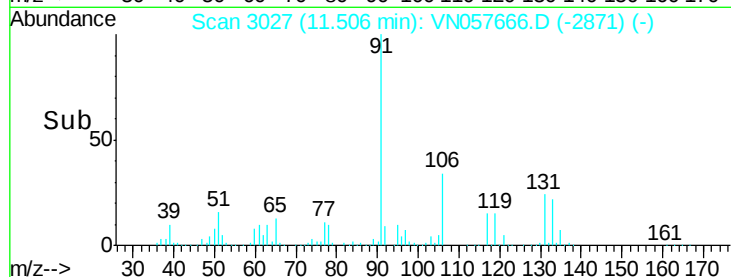
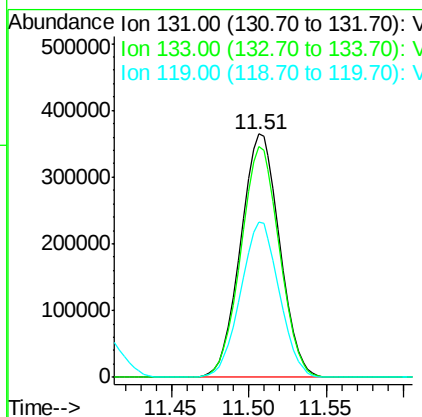
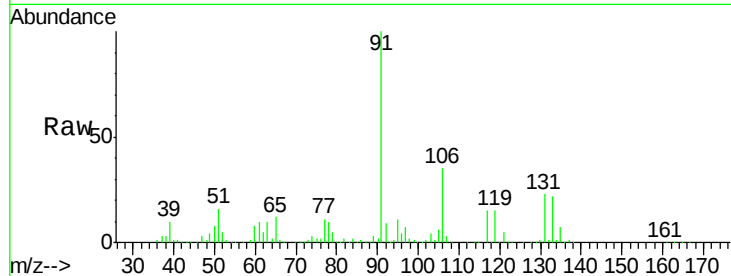
ClientSampled :

VSTDIC150

Tot Ion:	131	Resp:	639512
Ion Ratio	Lower	Upper	
131	100		
133	93.7	0.0	198.0
119	63.0	0.0	129.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 159.065 ug/l

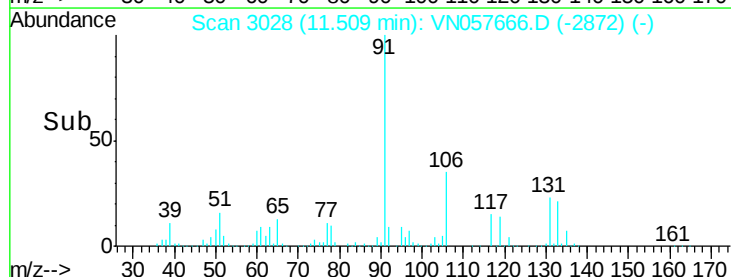
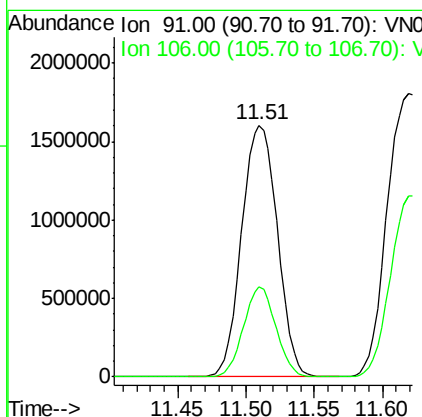
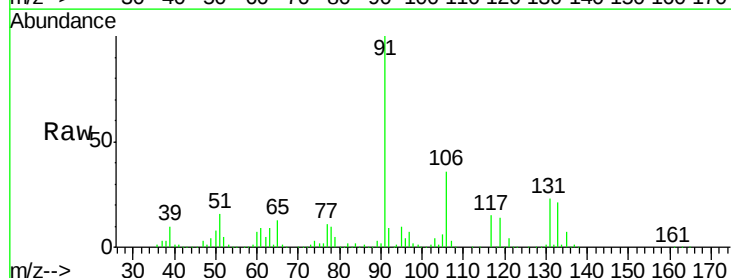
RT: 11.51 min Scan# 3028

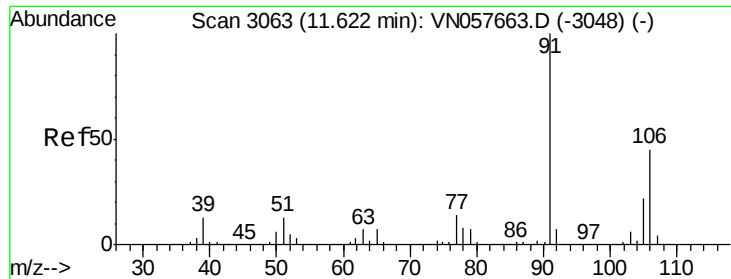
Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Tgt Ion:	91	Resp:	2916563
Ion Ratio	Lower	Upper	
91	100		
106	35.7	22.7	34.1#





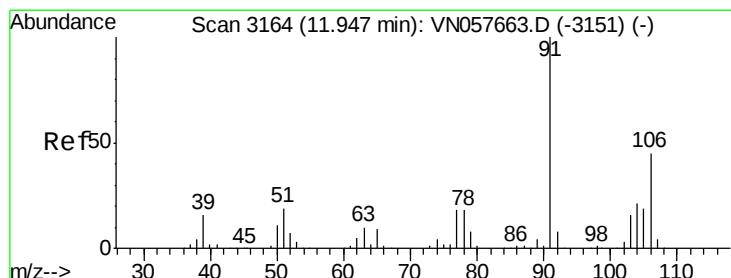
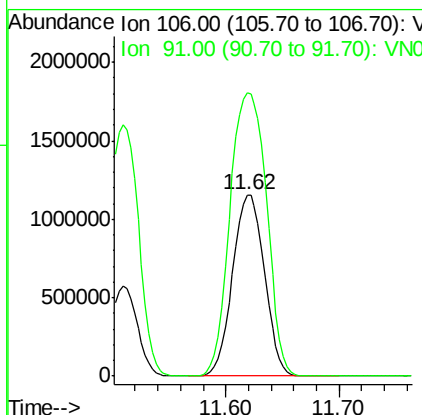
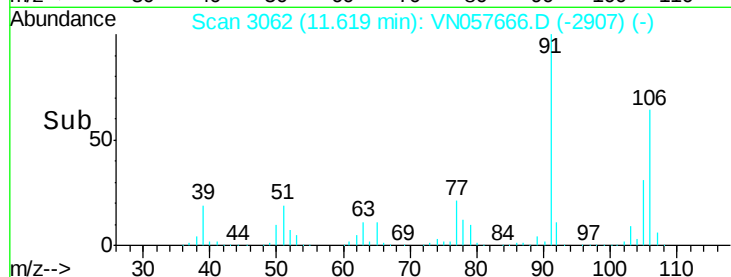
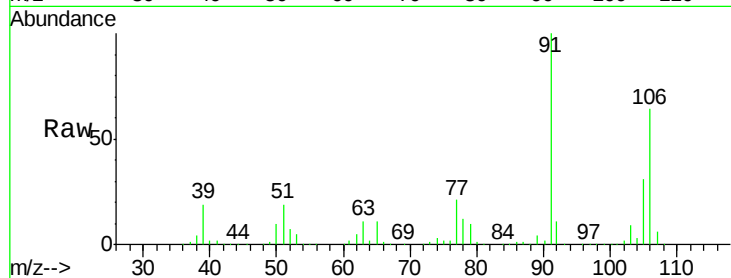
#67
m/p-Xvlenes
Concen: 315.720 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2265346
Ion Ratio Lower Upper
106 100
91 179.3 178.9 268.3

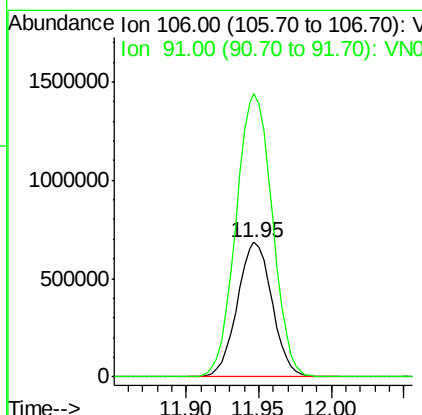
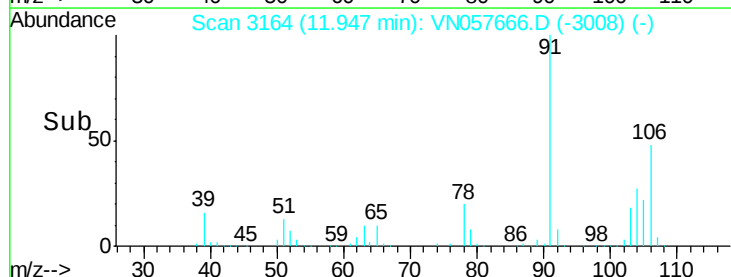
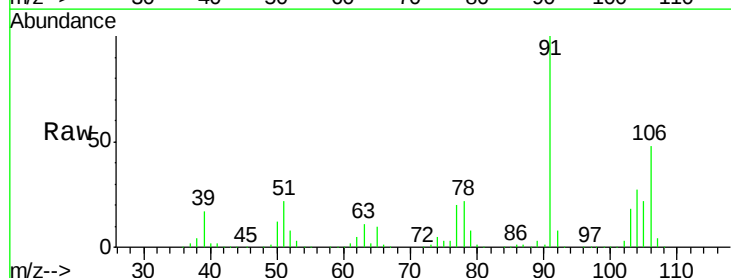
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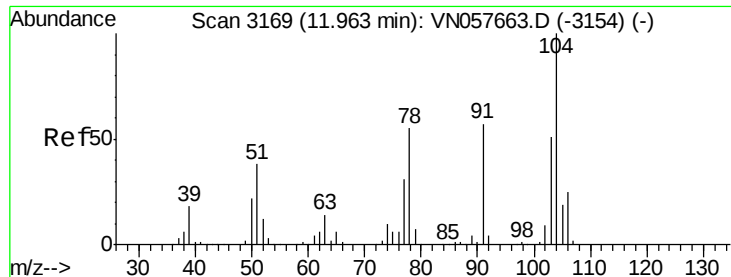
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#68
o-Xylene
Concen: 157.559 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion:106 Resp: 1137659
Ion Ratio Lower Upper
106 100
91 219.5 114.0 342.0





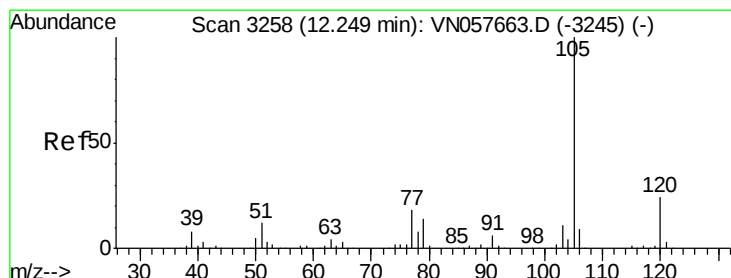
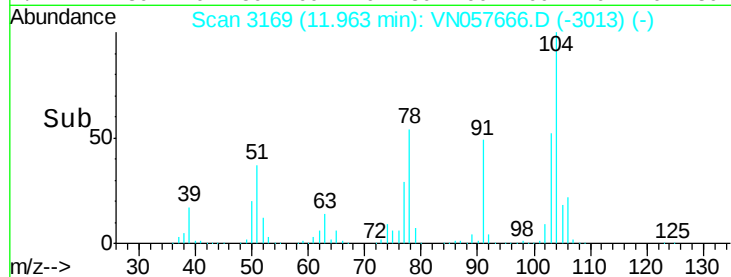
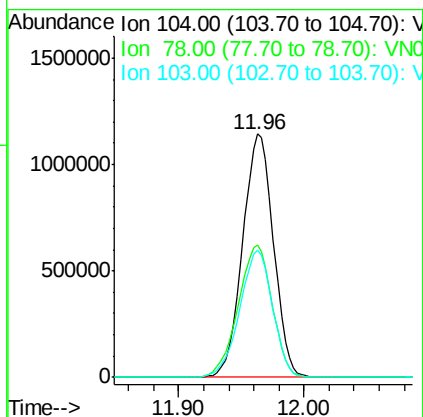
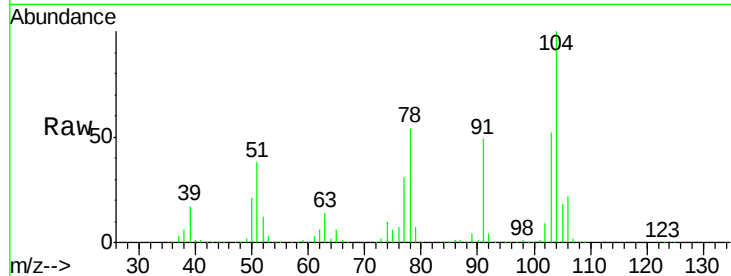
#69
Stvrene
Concen: 171.984 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1956775
Ion Ratio Lower Upper
104 100
78 59.7 49.0 73.6
103 55.6 44.9 67.3

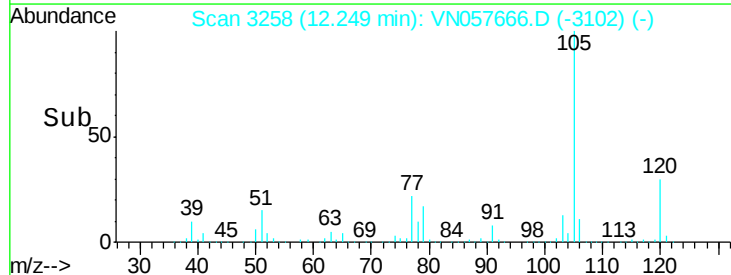
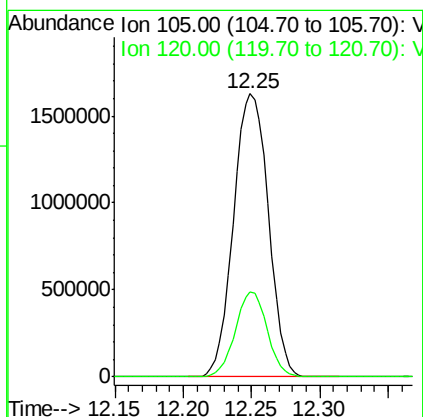
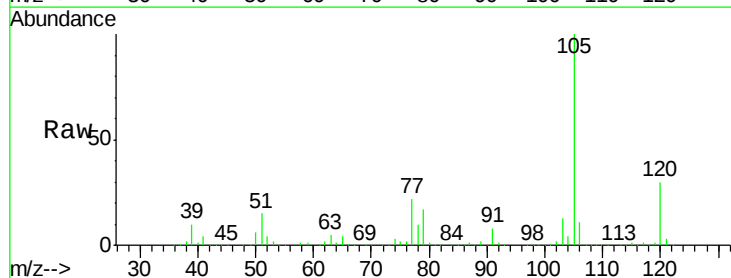
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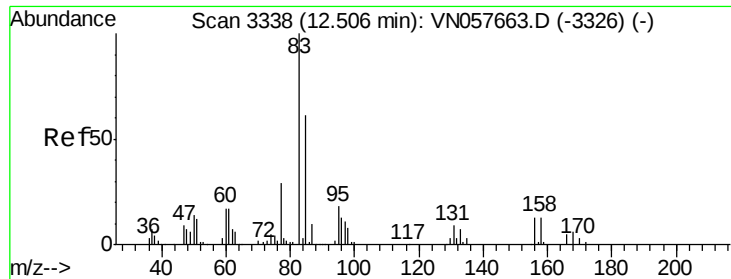
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#70
Isopropylbenzene
Concen: 159.164 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion:105 Resp: 2888031
Ion Ratio Lower Upper
105 100
120 27.5 17.2 32.0





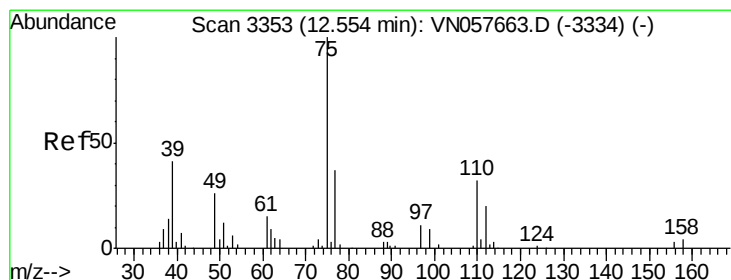
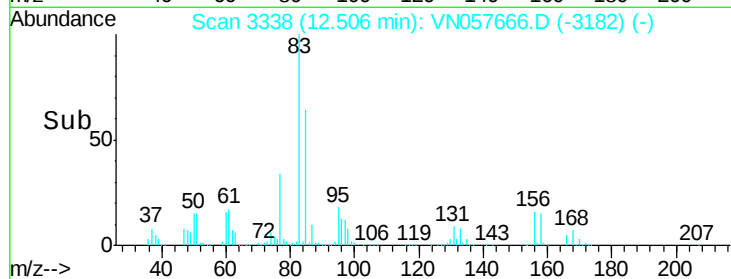
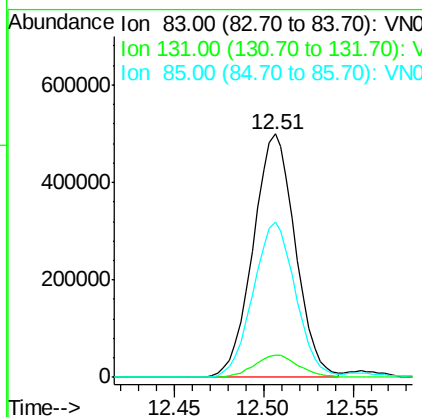
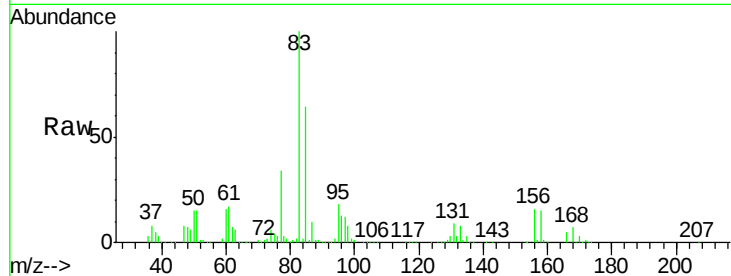
#71
 1,1,2,2-Tetrachloroethane
 Concen: 168.504 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	826753
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.0	31.7	95.1

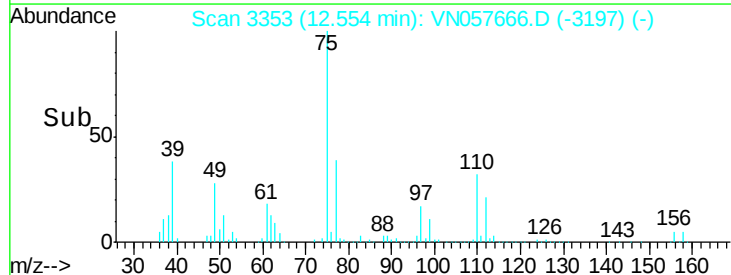
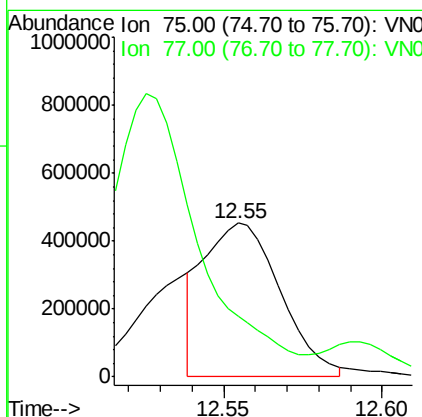
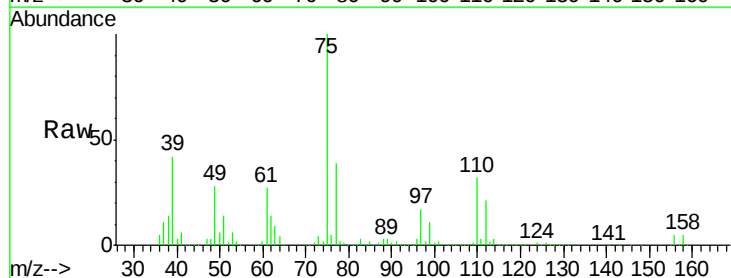
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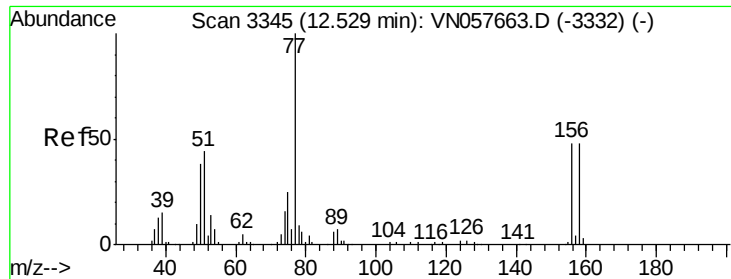
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#72
 1,2,3-Trichloropropane
 Concen: 182.317 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion	75	Resp	768114
Ion Ratio	100	Lower	Upper
75	100		
77	216.9	0.0	405.6





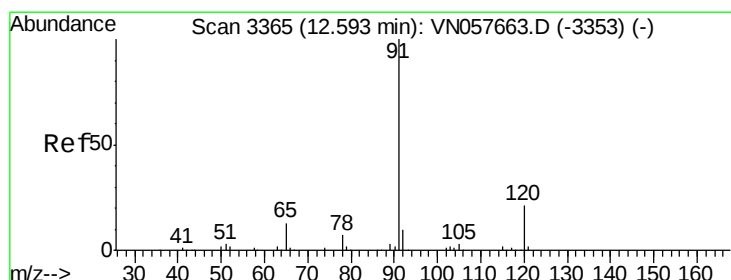
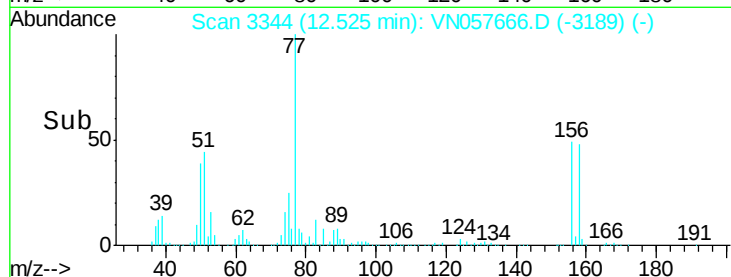
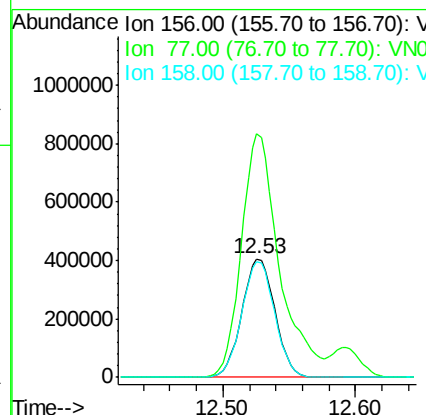
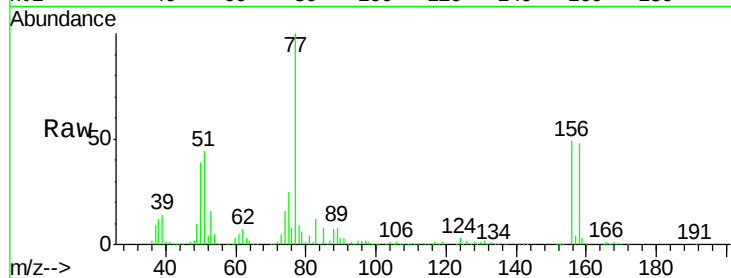
#73
Bromobenzene
Concen: 153.663 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
156	100	697319		
77	238.9	0.0	495.6	
158	97.9	0.0	197.8	

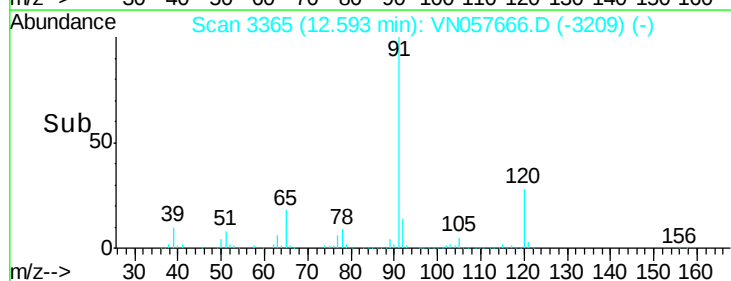
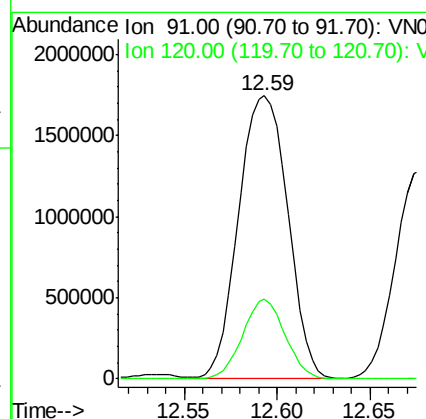
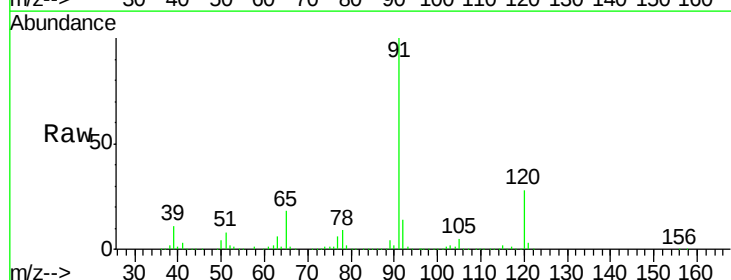
Manual Integrations
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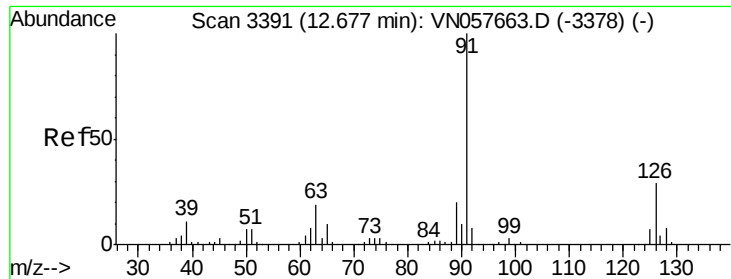
MMDadoda
9/5/2019 3:21:13 PM



#74
n-propylbenzene
Concen: 171.197 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3218491		
120	24.4	0.0	40.4	





#75

2-Chlorotoluene

Concen: 179.201 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2193587

Ion Ratio Lower Upper

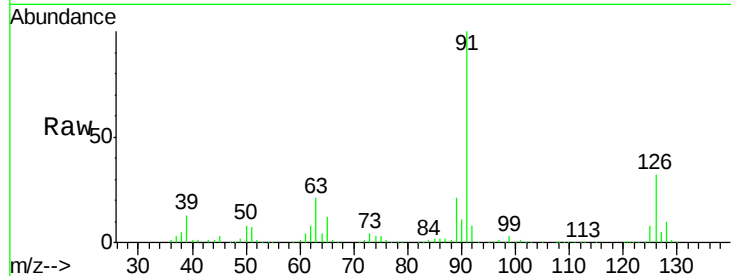
91 100

126 30.7 0.0 59.2

Manual Integrations
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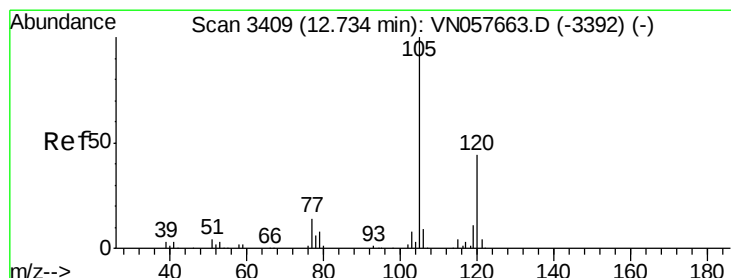
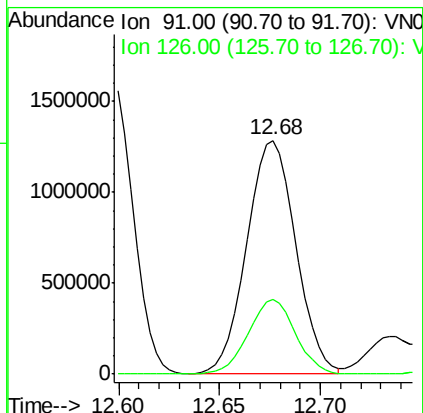
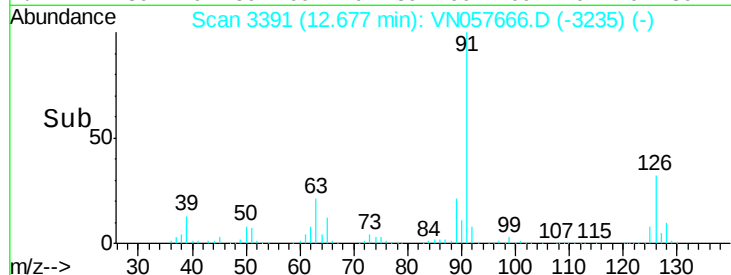
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Abundance Ion 91.00 (90.70 to 91.70): VN057666.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN057666.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 166.617 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057666.D

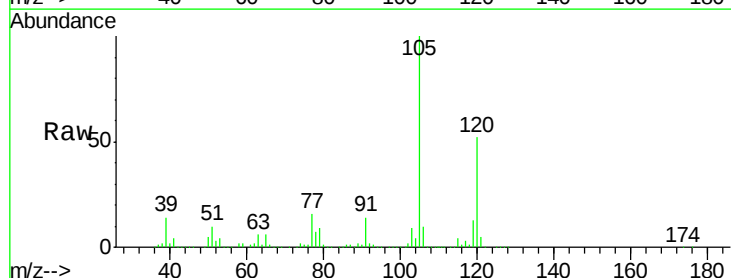
Acq: 3 Sep 2019 16:21

Tgt Ion: 105 Resp: 2536707

Ion Ratio Lower Upper

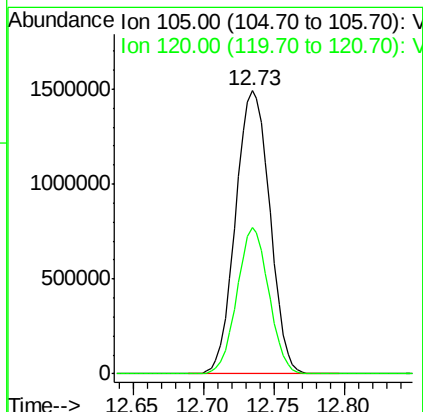
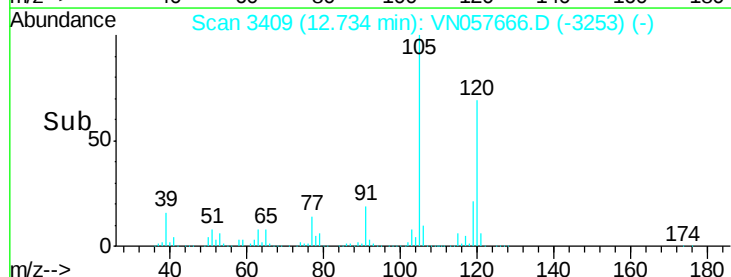
105 100

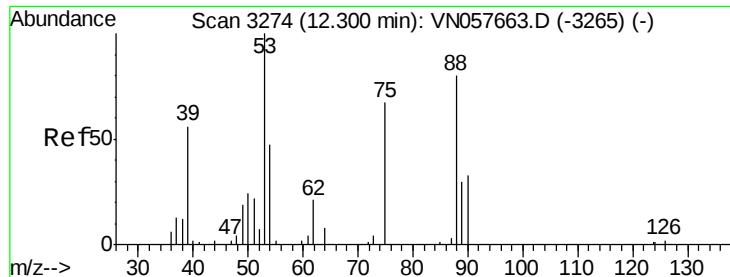
120 48.1 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057666.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN057666.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 211.643 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

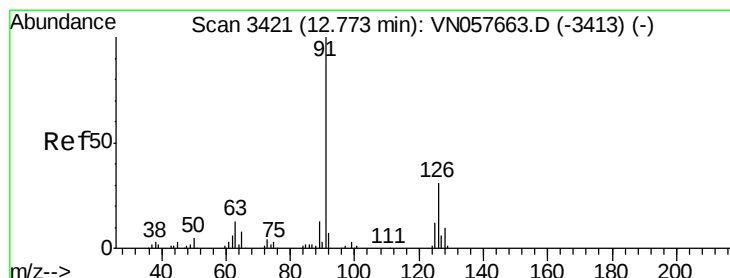
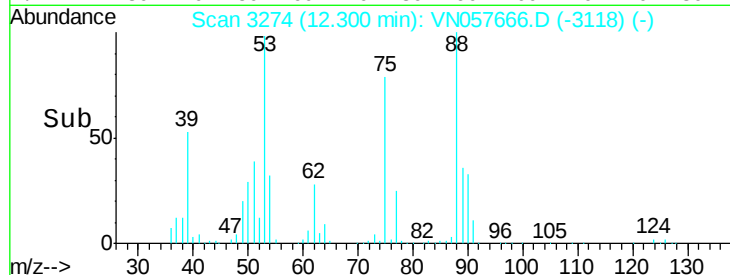
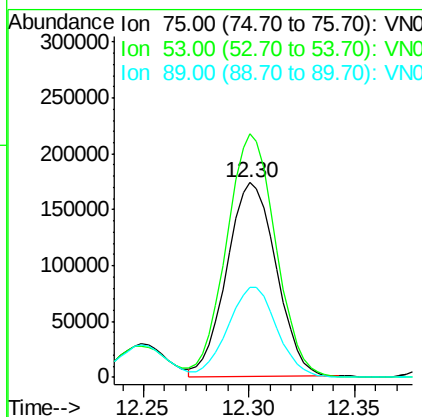
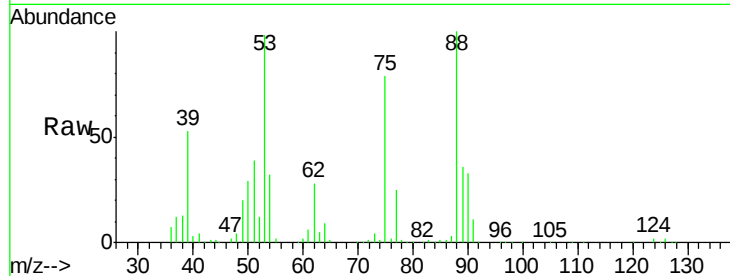
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	282813
Ion Ratio	Lower	Upper	
75	100		
53	125.3	74.2	222.6
89	46.1	23.3	69.9

Manual Integrations
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#78

4-Chlorotoluene

Concen: 190.942 ug/l

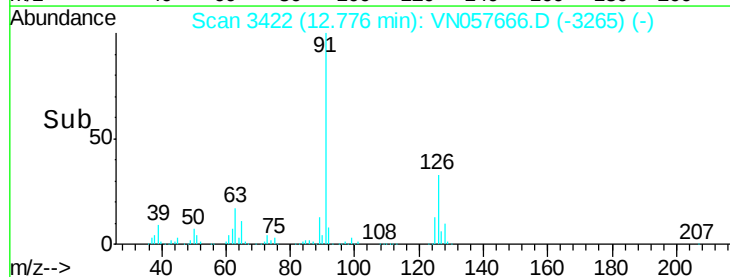
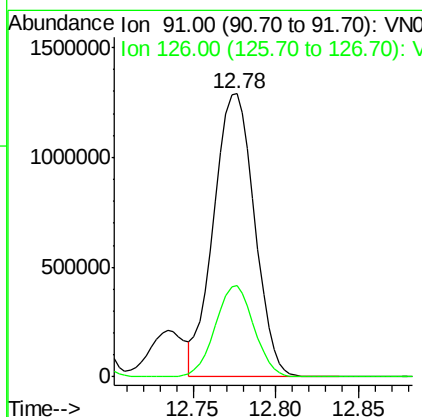
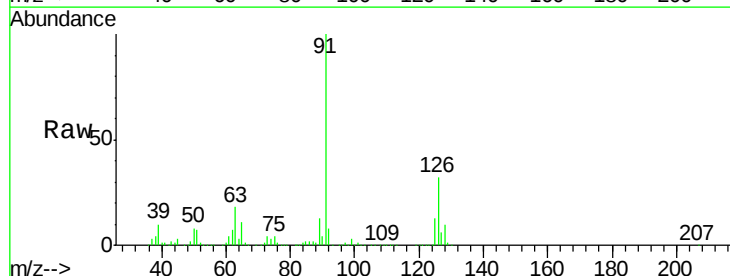
RT: 12.78 min Scan# 3422

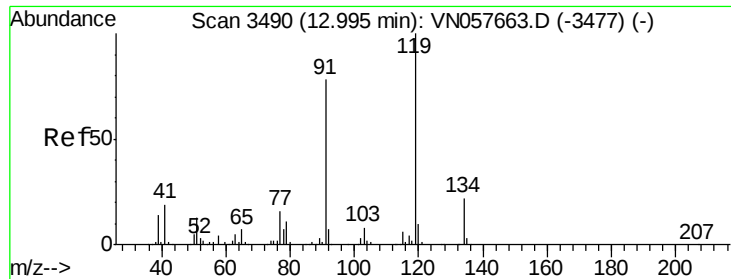
Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Tgt Ion:	91	Resp:	2213750
Ion Ratio	Lower	Upper	
91	100		
126	30.6	0.0	57.8





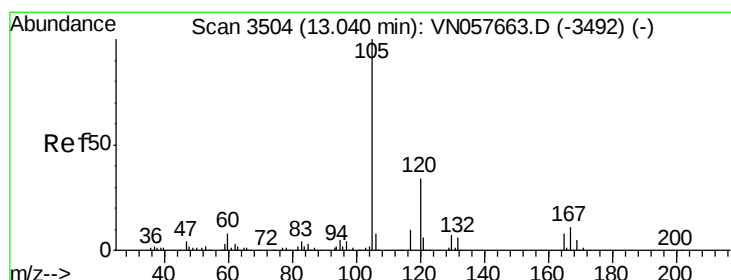
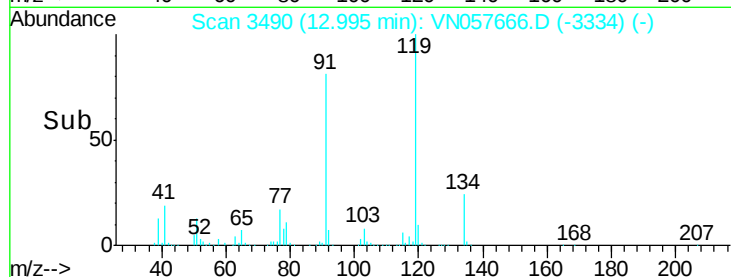
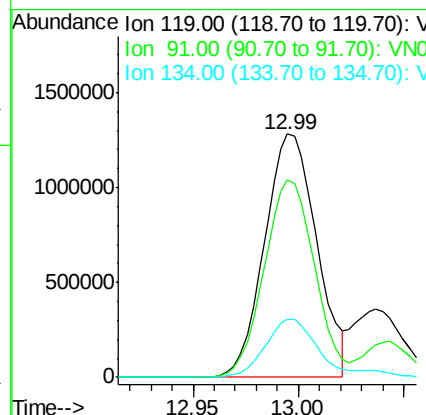
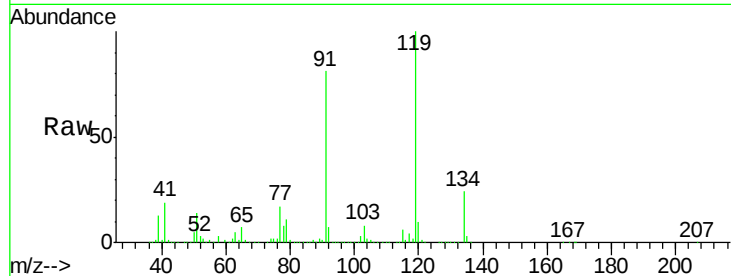
#79
tert-butylbenzene
Concen: 159.061 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.5	0.0	155.6
134	23.6	0.0	48.2

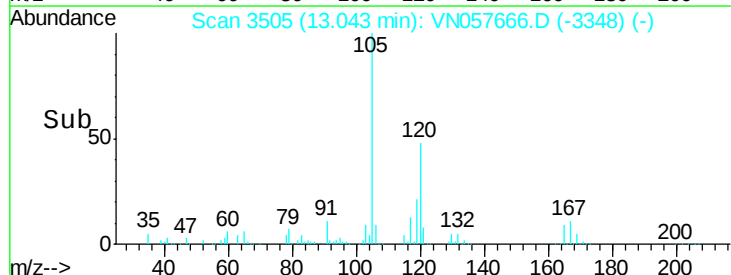
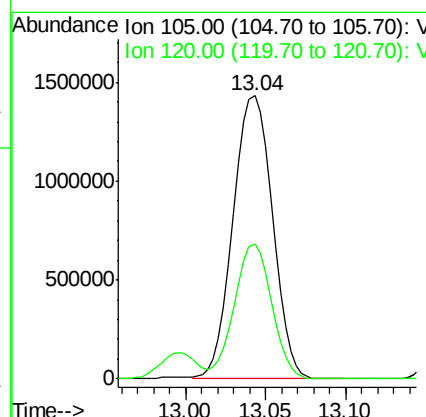
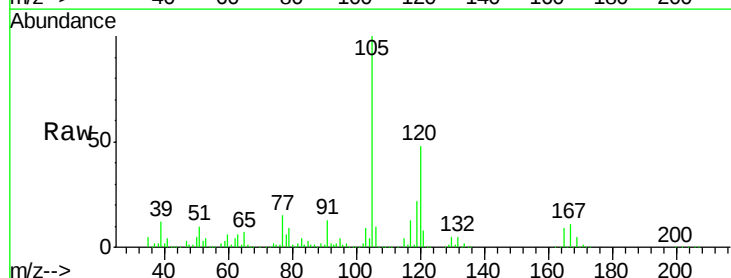
Manual Integrations
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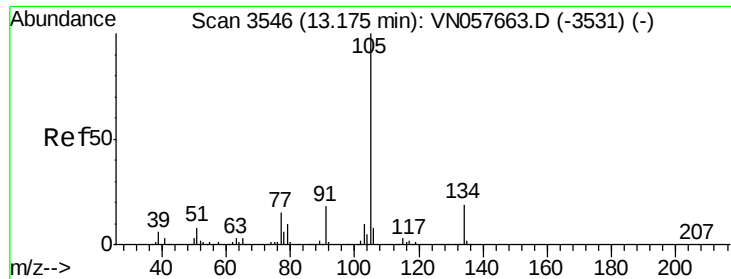
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#80
1,2,4-Trimethylbenzene
Concen: 169.070 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	0.0	83.4





#81

sec-Butylbenzene

Concen: 166.464 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2801083

Ion Ratio Lower Upper

105 100

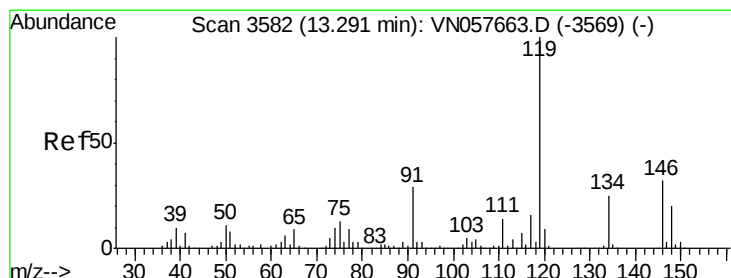
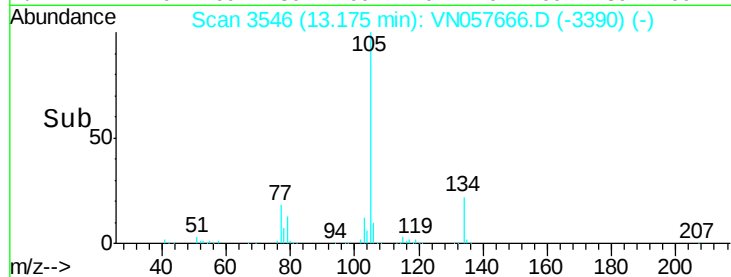
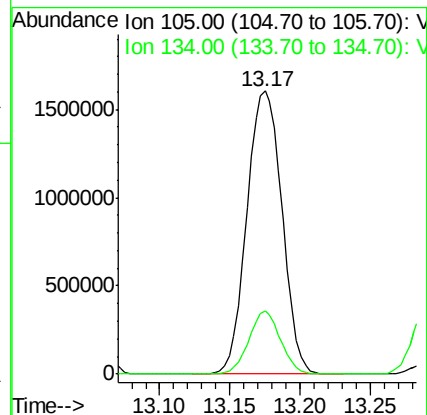
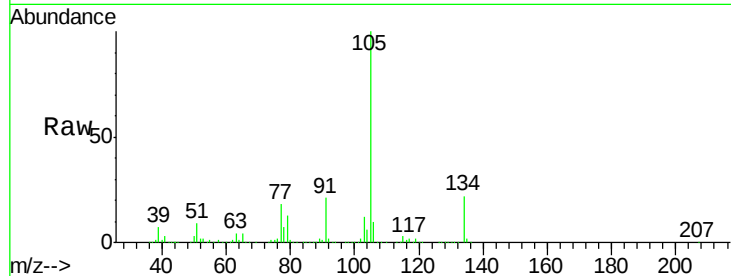
134 20.1 0.0 36.2

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 165.660 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

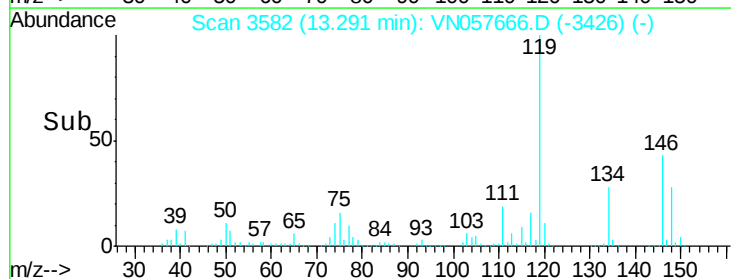
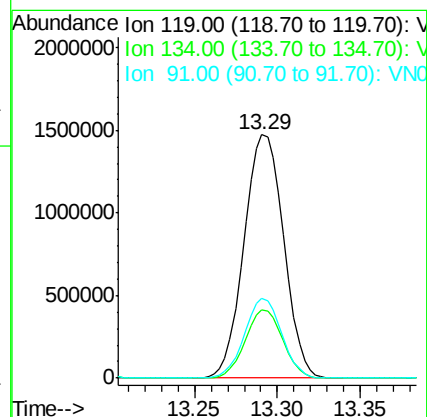
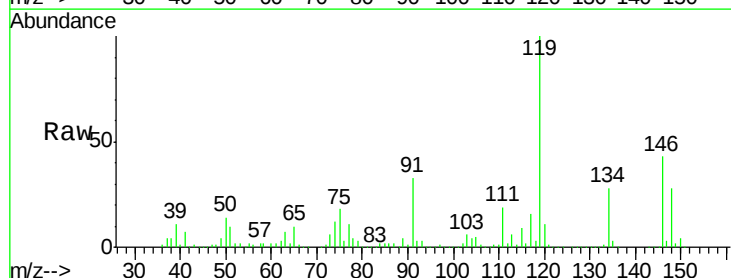
Tgt Ion:119 Resp: 2449750

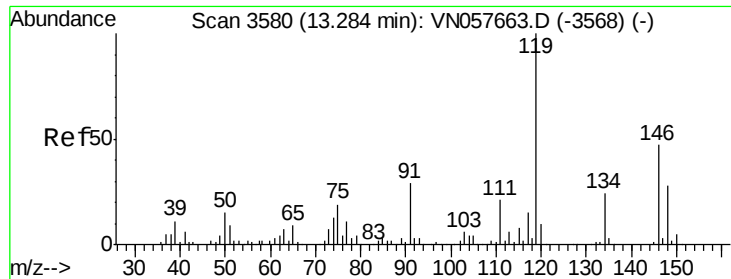
Ion Ratio Lower Upper

119 100

134 26.7 0.0 49.6

91 30.7 0.0 56.2





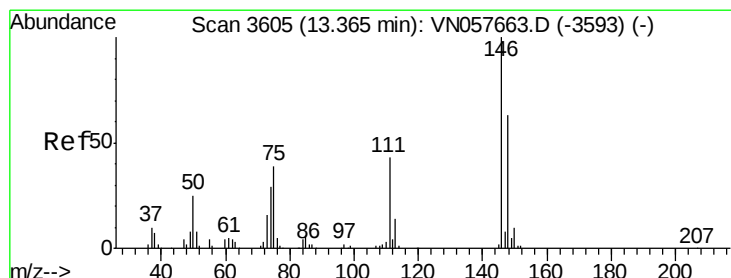
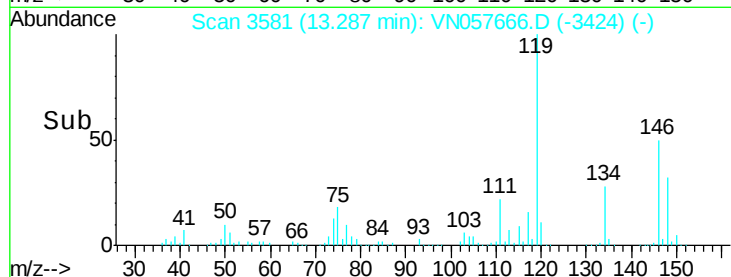
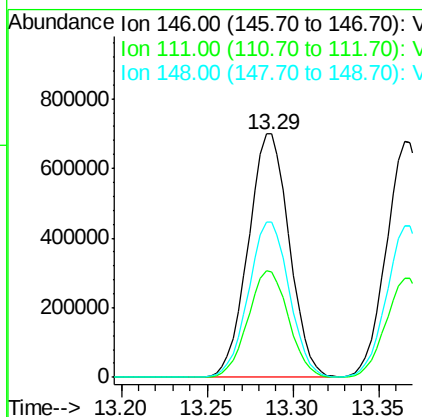
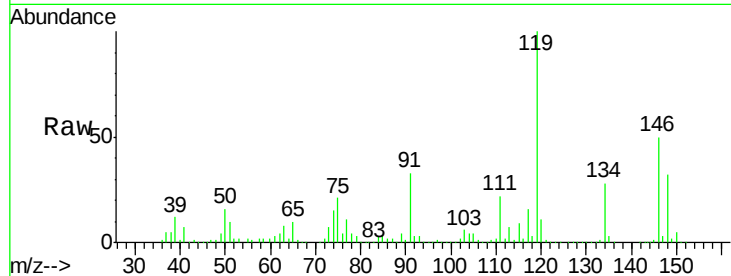
#83
 1,3-Dichlorobenzene
 Concen: 159.433 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1156133
 Ion Ratio Lower Upper
 146 100
 111 43.3 22.1 66.3
 148 63.4 31.3 93.9

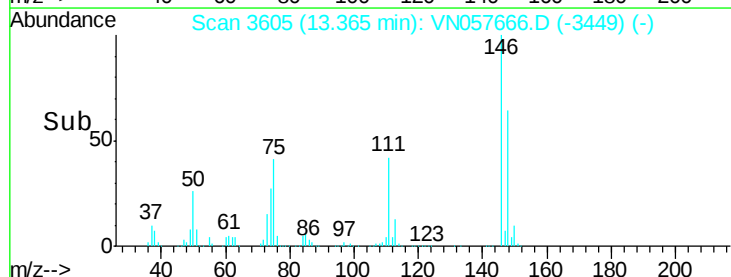
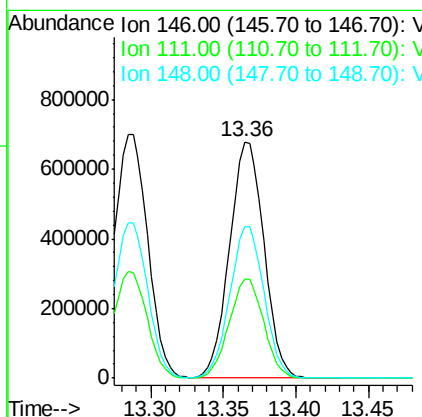
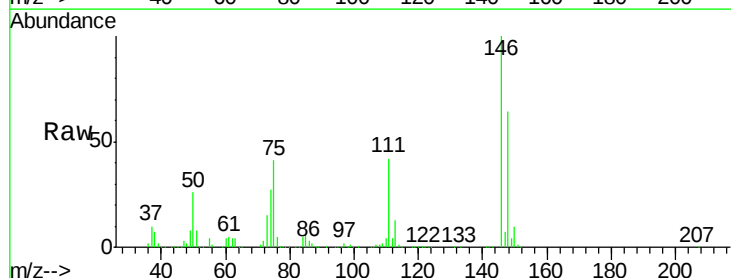
Manual Integrations
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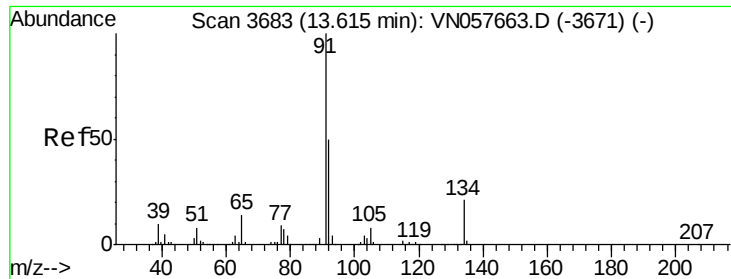
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 161.277 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion:146 Resp: 1117388
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 63.9
 148 63.8 31.0 93.0





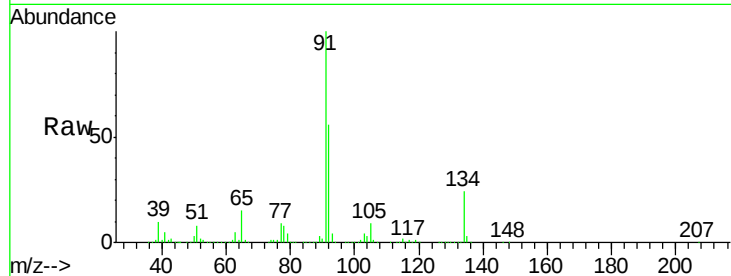
#85
n-Butylbenzene
Concen: 186.200 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

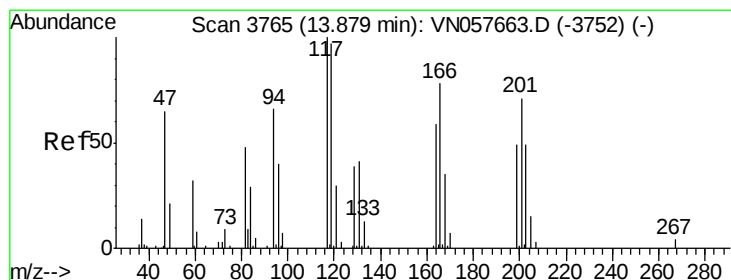
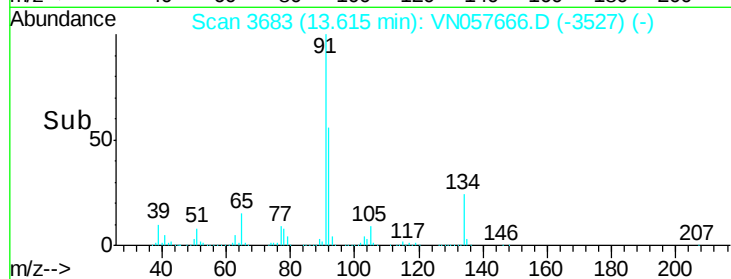
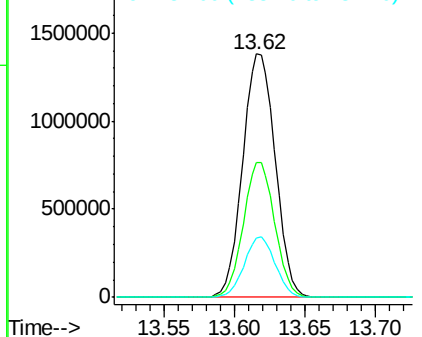
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	100.2
134	23.5	0.0	43.8

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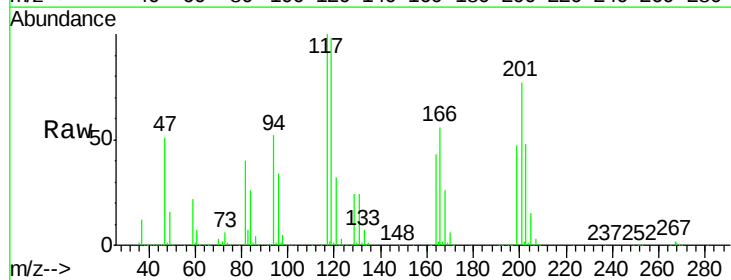


Abundance Ion 91.00 (90.70 to 91.70): VN057666.D (-3527) (-)
Ion 92.00 (91.70 to 92.70): VN057666.D (-3527) (-)
Ion 134.00 (133.70 to 134.70): VN057666.D (-3527) (-)

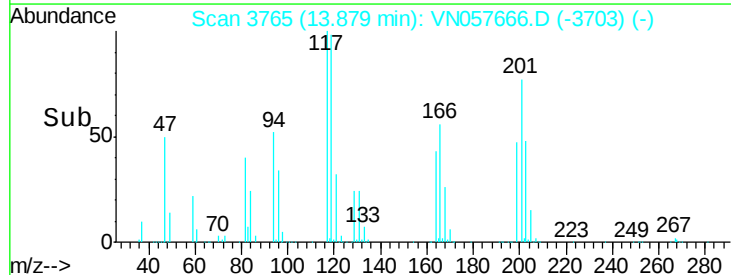
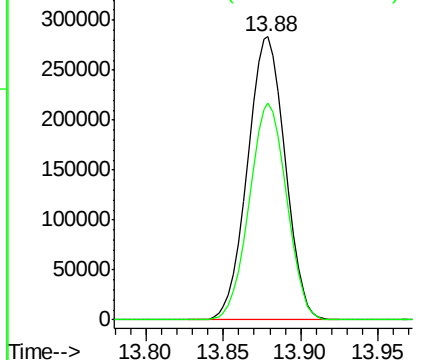


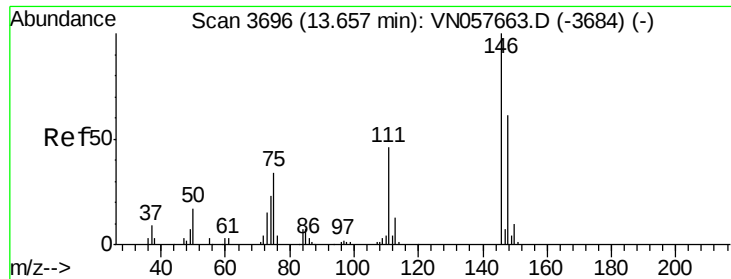
#86
Hexachloroethane
Concen: 167.861 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	34.1	102.2



Abundance Ion 117.00 (116.70 to 117.70): VN057666.D (-3703) (-)
Ion 201.00 (200.70 to 201.70): VN057666.D (-3703) (-)





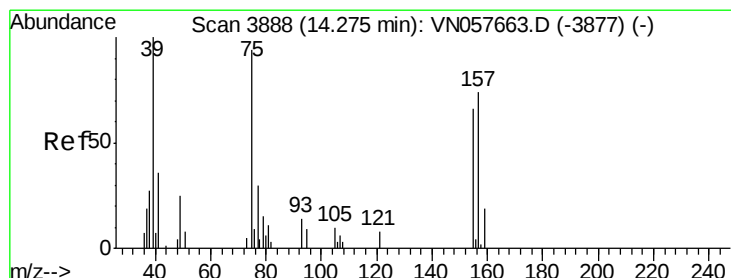
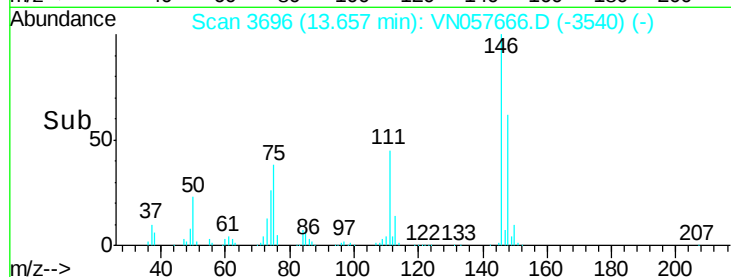
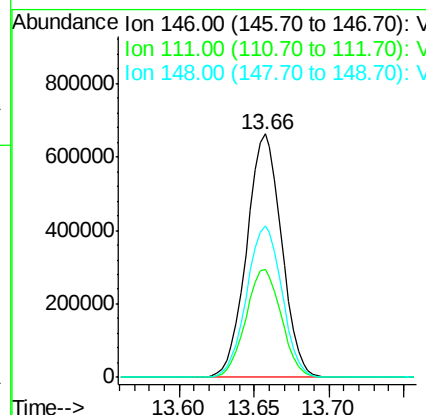
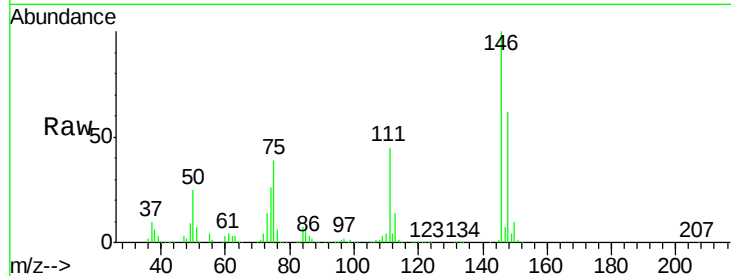
#87
 1,2-Dichlorobenzene
 Concen: 156.333 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1076634
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.6 67.7
 148 63.0 31.3 93.9

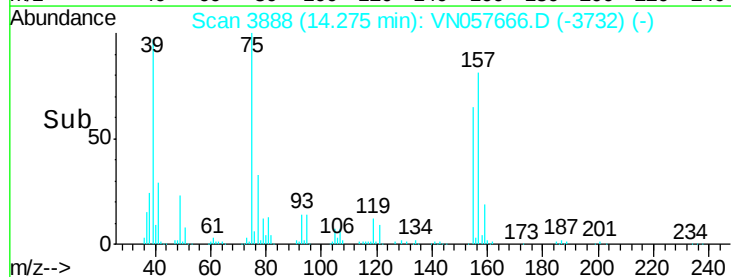
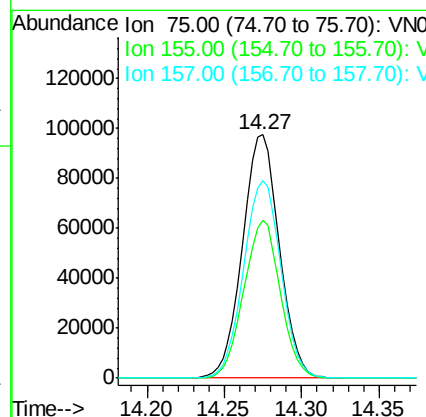
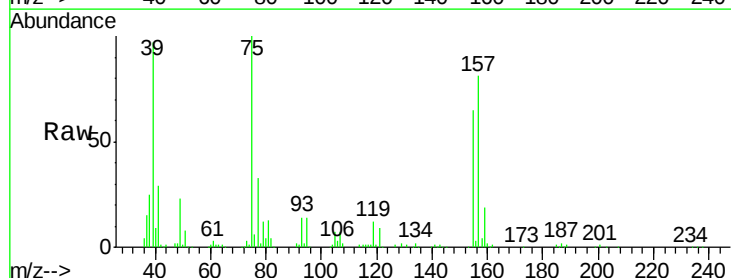
Manual Integrations
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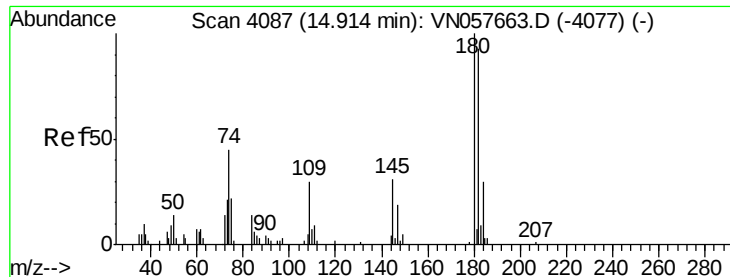
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 230.481 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 75 Resp: 161987
 Ion Ratio Lower Upper
 75 100
 155 64.2 54.6 82.0
 157 82.4 65.5 98.3





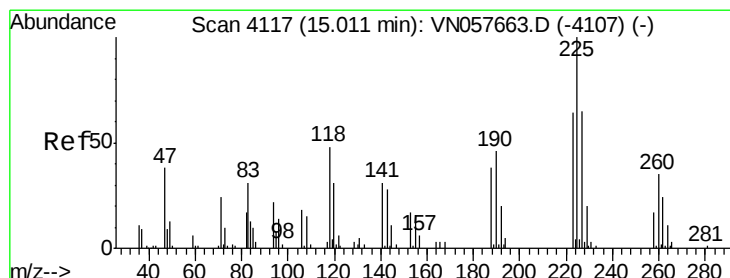
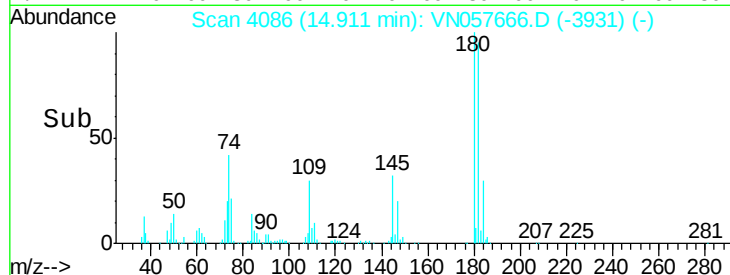
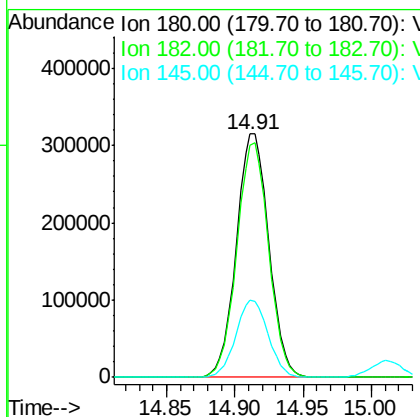
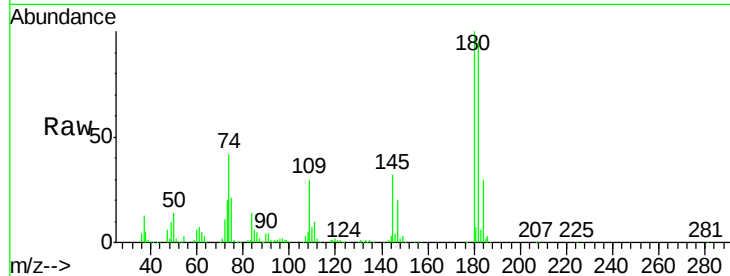
#89
 1,2,4-Trichlorobenzene
 Concen: 206.470 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	519442		
182	94.6	77.4	116.2	
145	31.8	25.1	37.7	

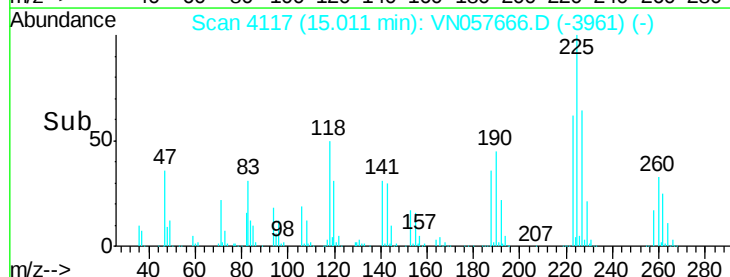
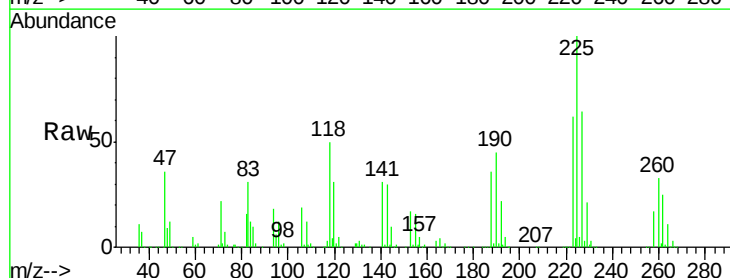
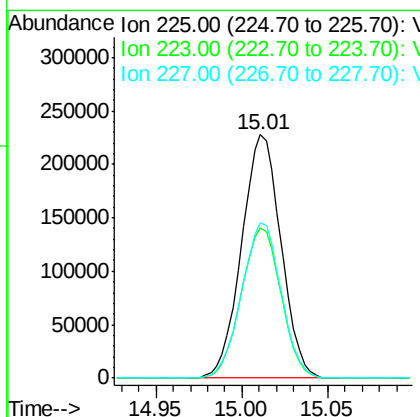
Manual Integrations
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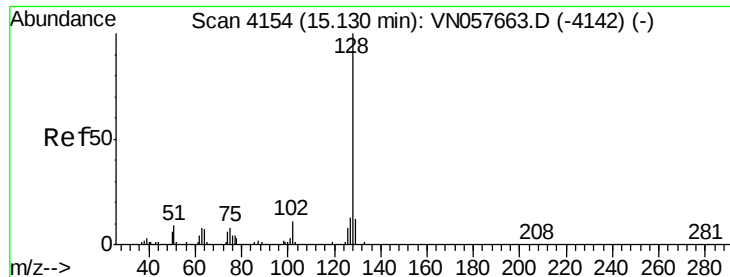
MMDadoda
 9/5/2019 3:21:13 PM



#90
 Hexachlorobutadiene
 Concen: 157.733 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	360930		
223	62.5	0.0	131.0	
227	63.8	0.0	128.6	





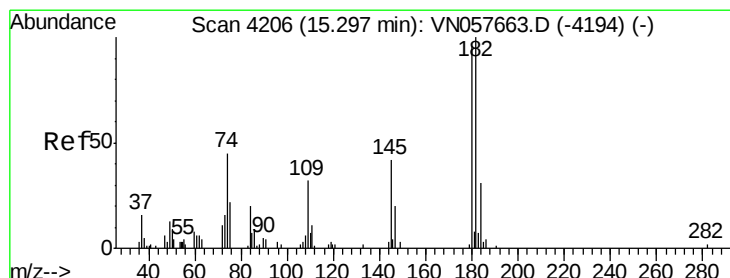
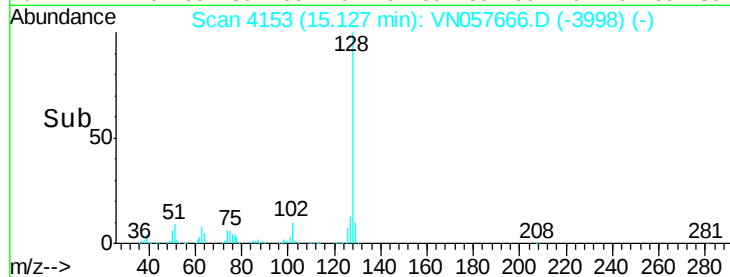
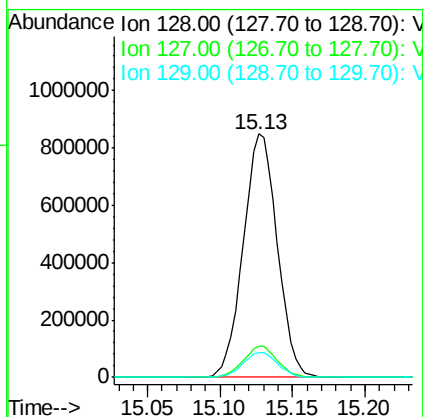
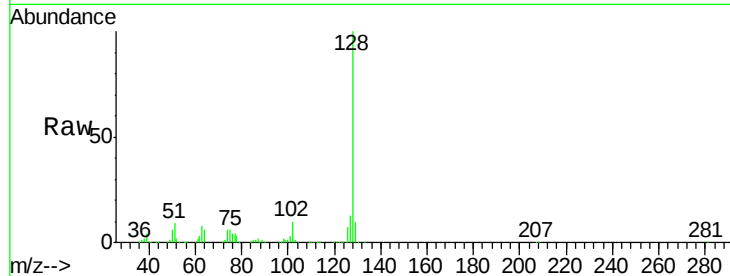
#91
Naphthalene
Concen: 202.087 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.4	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:13 PM



#92
1,2,3-Trichlorobenzene
Concen: 202.630 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	199.4
145	33.5	0.0	73.2

