

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
 Data File : VN057120.D
 Acq On : 8 Aug 2019 10:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 9:27:52 AM

Quant Time: Aug 09 03:25:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1259818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1819415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1628509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	656568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	637132	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	6.98	113	585306	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	9.56	98	2267549	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.92	95	752959	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	472563	46.670	ug/l	99
3) Chloromethane	2.00	50	616215	45.803	ug/l	98
4) Vinyl Chloride	2.11	62	619522	49.541	ug/l	100
5) Bromomethane	2.43	94	422037	49.670	ug/l	96
6) Chloroethane	2.55	64	396459	49.427	ug/l	96
7) Trichlorofluoromethane	2.82	101	881588	49.045	ug/l	99
8) Diethyl Ether	3.14	74	344111	49.550	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	539257	49.488	ug/l	98
10) Methyl Iodide	3.63	142	845980	51.375	ug/l	100
11) Tert butyl alcohol	4.23	59	400081	216.994	ug/l	99
12) 1,1-Dichloroethene	3.43	96	542505	50.608	ug/l	99
13) Acrolein	3.31	56	260686	223.499	ug/l	99
14) Allyl chloride	3.91	41	808249	51.882	ug/l	99
15) Acrylonitrile	4.44	53	1225999	245.694	ug/l	99
16) Acetone	3.47	43	1209329	309.069	ug/l	100
17) Carbon Disulfide	3.72	76	1479879	51.892	ug/l	99
18) Methyl Acetate	3.89	43	562475	48.224	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1638503	50.629	ug/l	99
20) Methylene Chloride	4.10	84	627370	48.583	ug/l	99
21) trans-1,2-Dichloroethene	4.50	96	589924	50.518	ug/l	98
22) Diisopropyl ether	5.31	45	1700926	50.056	ug/l	99
23) Vinyl Acetate	5.26	43	6777580	260.465	ug/l	99
24) 1,1-Dichloroethane	5.25	63	1032134	49.410	ug/l	99
25) 2-Butanone	6.20	43	1603141	268.165	ug/l	98
26) 2,2-Dichloropropane	6.21	77	869153	57.191	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	685575	51.247	ug/l	98
28) Bromochloromethane	6.58	49	478185	49.768	ug/l	98
29) Tetrahydrofuran	6.60	42	972223	241.416	ug/l	99
30) Chloroform	6.76	83	1054391	48.769	ug/l	98
31) Cyclohexane	7.06	56	920962	49.005	ug/l	98
32) 1,1,1-Trichloroethane	6.98	97	908738	50.105	ug/l	99
36) 1,1-Dichloropropene	7.20	75	808905	53.998	ug/l	100
37) Ethyl Acetate	6.28	43	617003	49.965	ug/l #	100
38) Carbon Tetrachloride	7.18	117	801577	51.344	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	996256	54.688	ug/l	95
40) Benzene	7.46	78	2446204	51.582	ug/l	98
41) Methacrylonitrile	6.54	41	341797	54.490	ug/l	97
42) 1,2-Dichloroethane	7.54	62	748208	49.470	ug/l	98
43) Isopropyl Acetate	7.56	43	1057677	50.190	ug/l	100
44) Trichloroethene	8.27	130	683830	51.470	ug/l	97
45) 1,2-Dichloropropane	8.56	63	639149	52.052	ug/l	99
46) Dibromomethane	8.65	93	400943	50.925	ug/l	99
47) Bromodichloromethane	8.85	83	804893	52.835	ug/l	99
48) Methyl methacrylate	8.63	41	493723	49.685	ug/l	99
49) 1,4-Dioxane	8.64	88	203891	1007.433	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	3104198	253.101	ug/l	100
52) Toluene	9.62	92	1556136	52.864	ug/l	99
53) t-1,3-Dichloropropene	9.85	75	890581	55.959	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	1012121	55.423	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	589494	50.925	ug/l	99
56) Ethyl methacrylate	9.90	69	860882	53.115	ug/l	99
57) 1,3-Dichloropropane	10.19	76	970069	50.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1605022	248.438	ug/l	99
59) 2-Hexanone	10.24	43	2240867	269.964	ug/l	99
60) Dibromochloromethane	10.39	129	658191	54.140	ug/l	99
61) 1,2-Dibromoethane	10.49	107	615898	51.561	ug/l	99
64) Tetrachloroethene	10.11	164	681198	50.297	ug/l	95
65) Chlorobenzene	10.93	112	1671897	51.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	639030	52.165	ug/l	99
67) Ethyl Benzene	11.01	91	2958606	52.462	ug/l	99
68) m/p-Xylenes	11.12	106	2241614	107.893	ug/l	99
69) o-Xylene	11.46	106	1088722	52.653	ug/l	98
70) Styrene	11.47	104	1794636	55.567	ug/l	100
71) Bromoform	11.64	173	484625	54.006	ug/l	99
73) Isopropylbenzene	11.76	105	2960147	55.652	ug/l	99
74) N-amyl acetate	11.58	43	827607	49.742	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	775360	54.536	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	678750m	53.155	ug/l	
77) Bromobenzene	12.04	156	749053	47.465	ug/l	99
78) n-propylbenzene	12.11	91	3186773	50.593	ug/l	99
79) 2-Chlorotoluene	12.19	91	1895973	54.186	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	2432102	47.981	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.81	75	242432	54.291	ug/l	96
82) 4-Chlorotoluene	12.29	91	1829946	50.175	ug/l	99
83) tert-Butylbenzene	12.52	119	2124006	53.293	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	2344886	47.860	ug/l	100
85) sec-Butylbenzene	12.70	105	2761529	48.276	ug/l	99
86) p-Isopropyltoluene	12.82	119	2508853	49.983	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	1186671	52.818	ug/l	99
88) 1,4-Dichlorobenzene	12.89	146	1113762	52.320	ug/l	99
89) n-Butylbenzene	13.15	91	1851051	53.377	ug/l	100
90) Hexachloroethane	13.41	117	442693	55.590	ug/l	98
91) 1,2-Dichlorobenzene	13.18	146	1134565	50.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	107288	46.485	ug/l	98

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VSTDCCC050

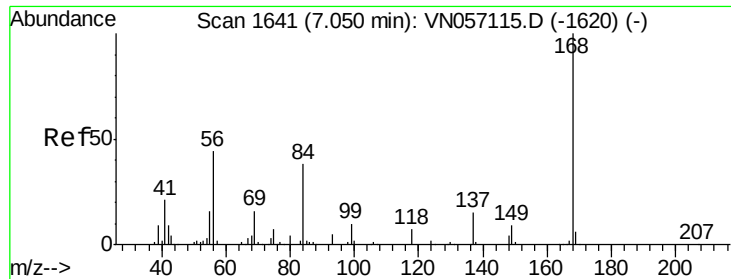
Manual Integrations
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QLast Update : Thu Aug 08 06:49:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	462111	48.735	ug/l	99
94) Hexachlorobutadiene	14.55	225	476412	61.729	ug/l	99
95) Naphthalene	14.66	128	955950	50.124	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	458962	47.021	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1259818

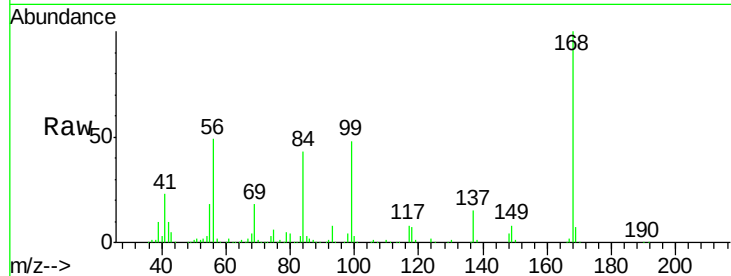
Ion Ratio Lower Upper

168 100

99 48.0 38.6 57.8

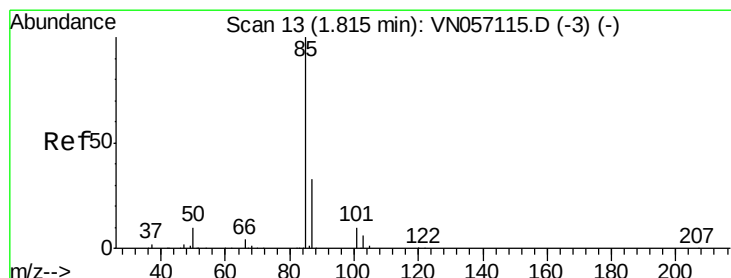
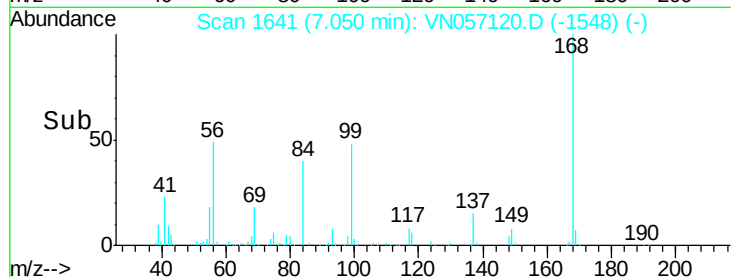
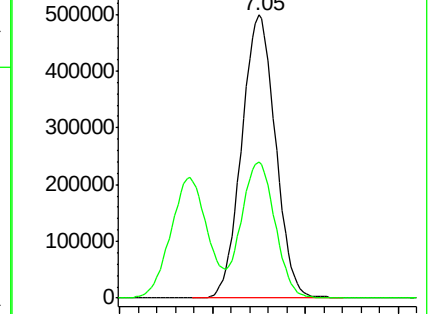
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.670 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057120.D

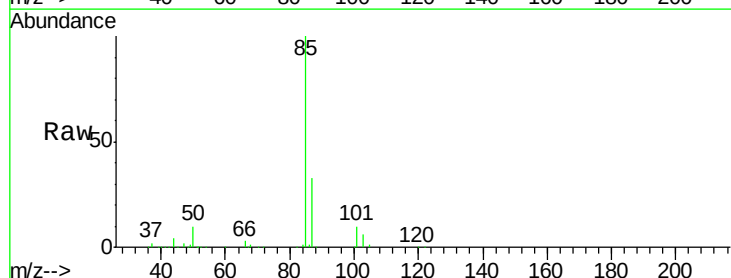
Acq: 8 Aug 2019 10:03

Tgt Ion: 85 Resp: 472563

Ion Ratio Lower Upper

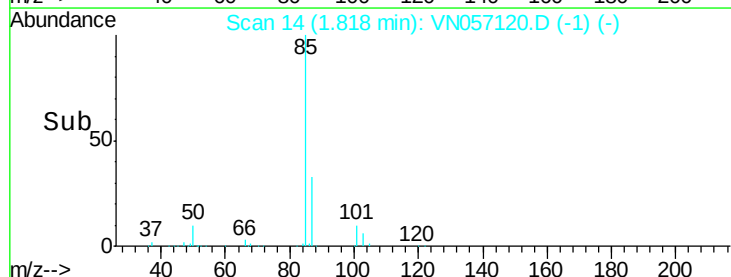
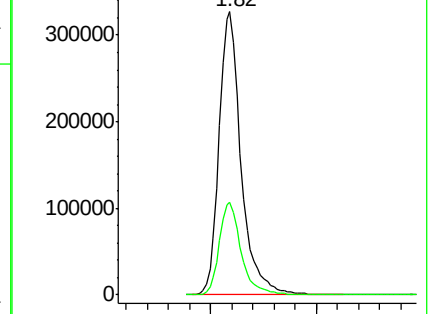
85 100

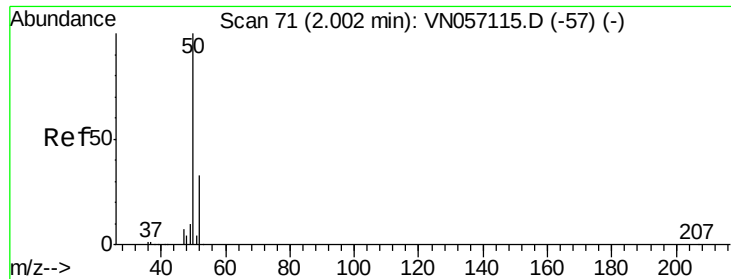
87 32.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.803 ug/l

RT: 2.00 min Scan# 71

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 616215

Ion Ratio Lower Upper

50 100

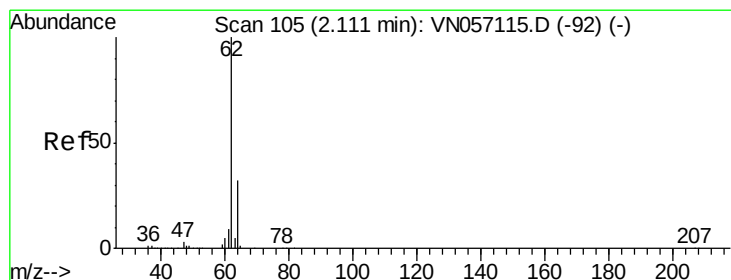
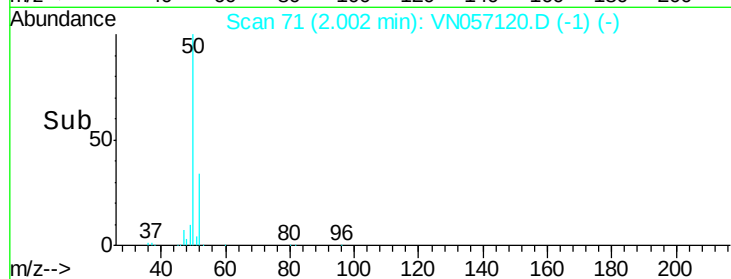
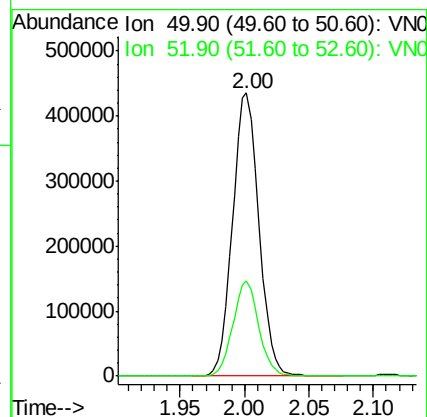
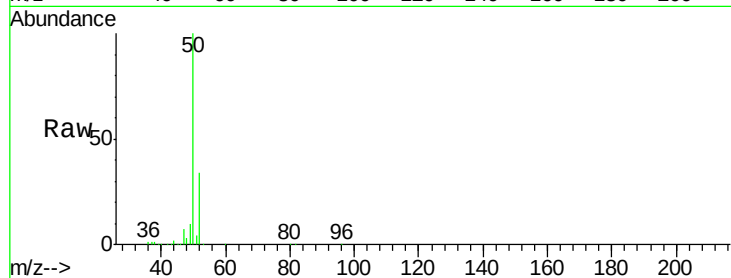
52 33.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.541 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057120.D

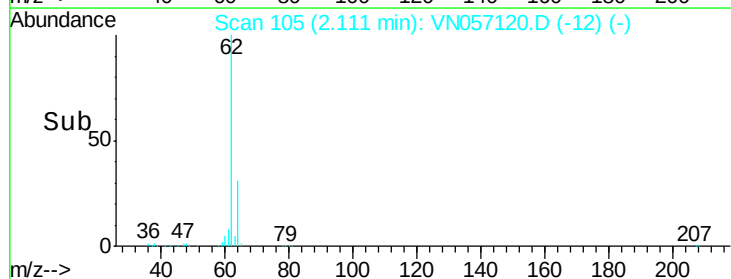
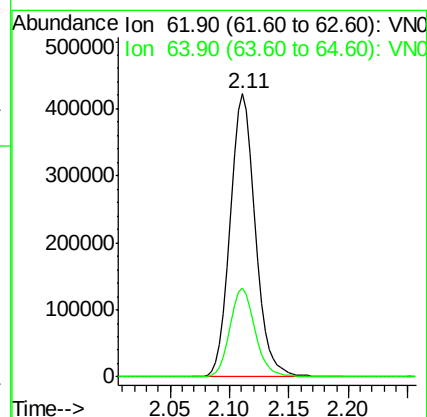
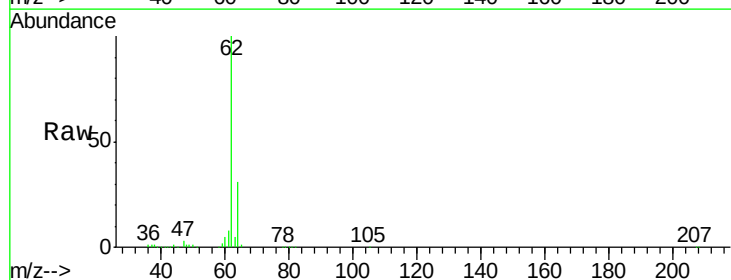
Acq: 8 Aug 2019 10:03

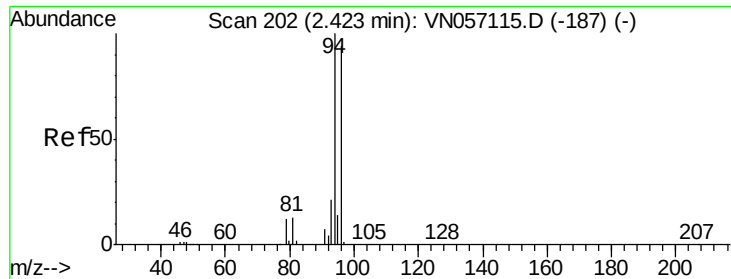
Tgt Ion: 62 Resp: 619522

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 49.670 ug/l

RT: 2.43 min Scan# 204

Delta R.T. 0.01 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 422037

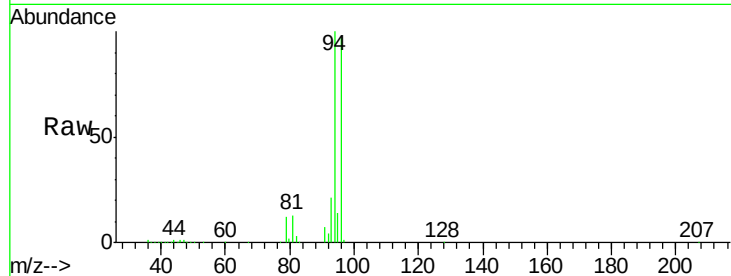
Ion Ratio Lower Upper

94 100

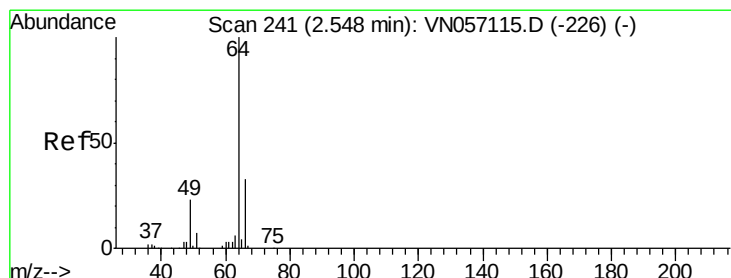
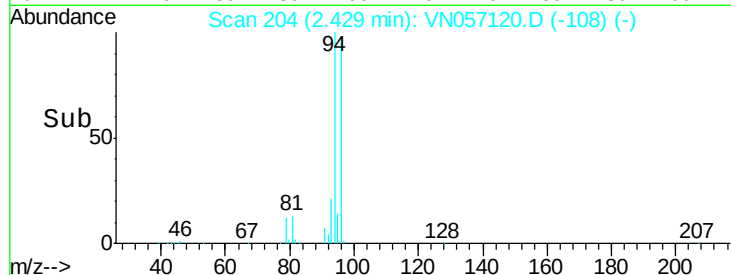
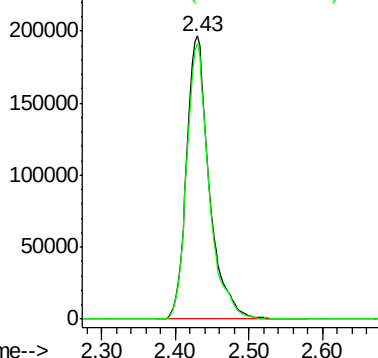
96 97.5 75.0 112.4

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Abundance Ion 93.90 (93.60 to 94.60): VNC
Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 49.427 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057120.D

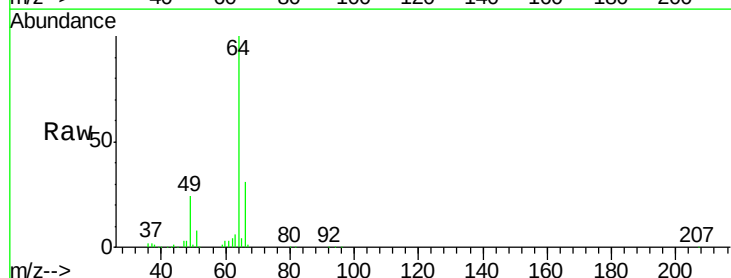
Acq: 8 Aug 2019 10:03

Tgt Ion: 64 Resp: 396459

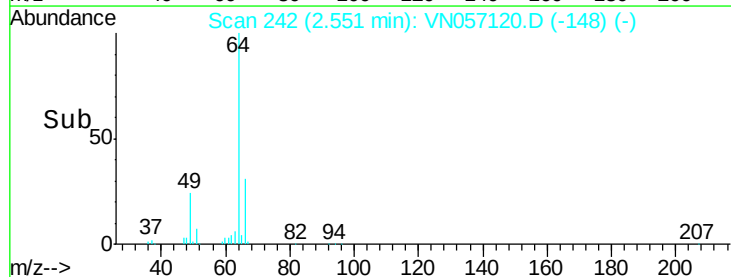
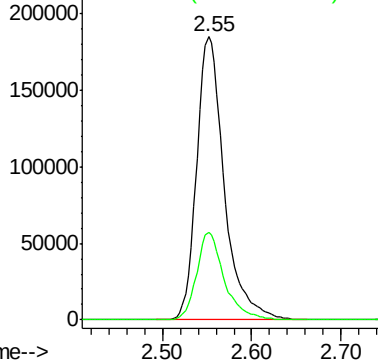
Ion Ratio Lower Upper

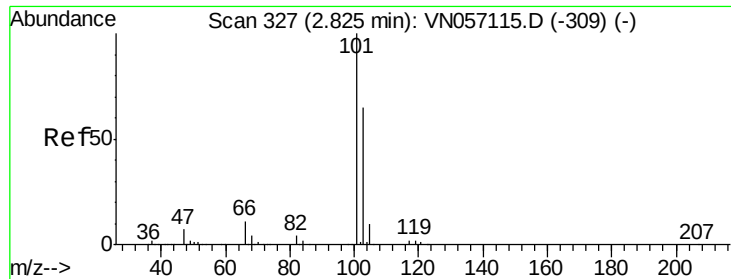
64 100

66 30.7 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNC
Ion 65.90 (65.60 to 66.60): VNC





#7

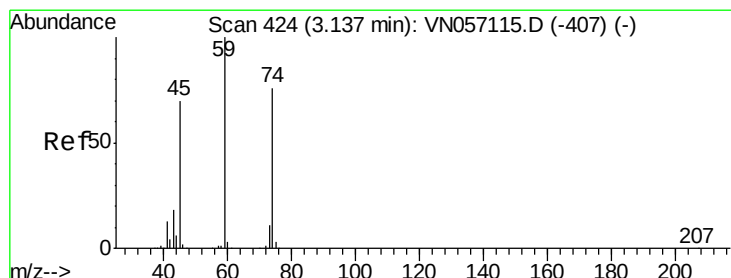
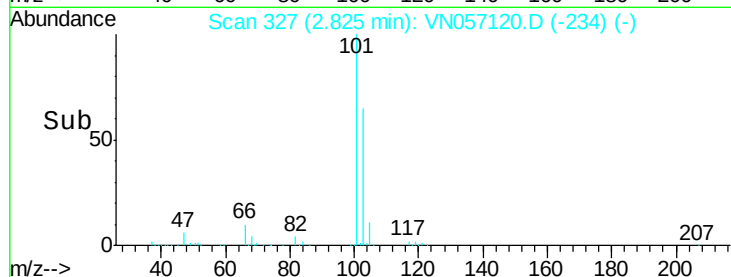
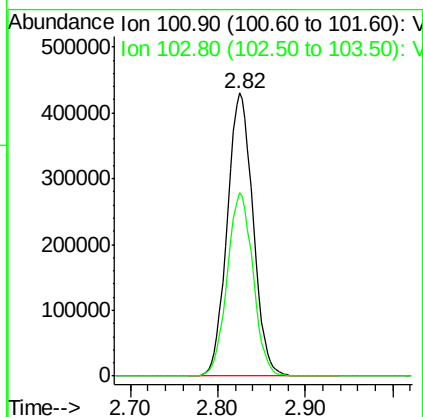
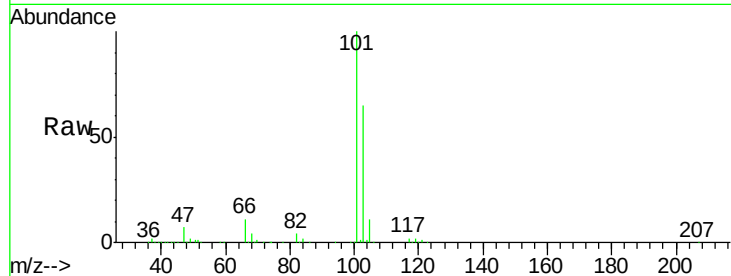
Trichlorofluoromethane
 Concen: 49.045 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.4

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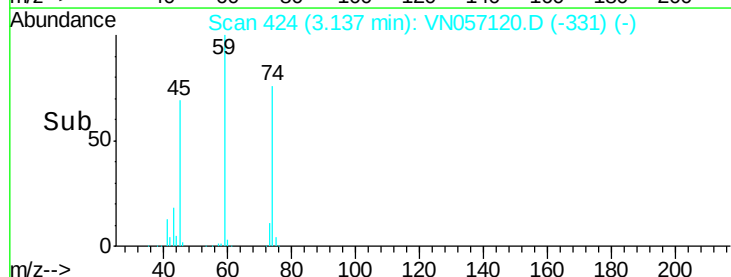
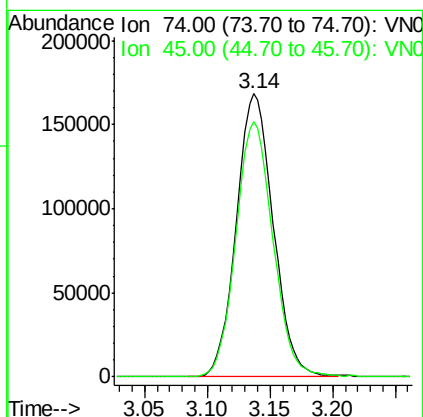
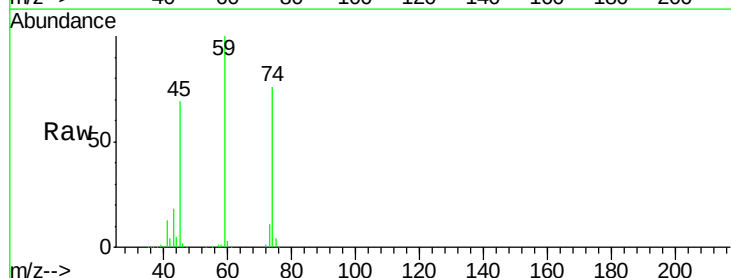
MMDadoda
 8/9/2019 9:27:52 AM

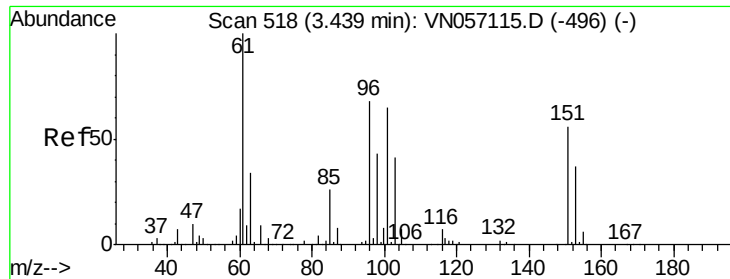


#8

Diethyl Ether
 Concen: 49.550 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.488 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

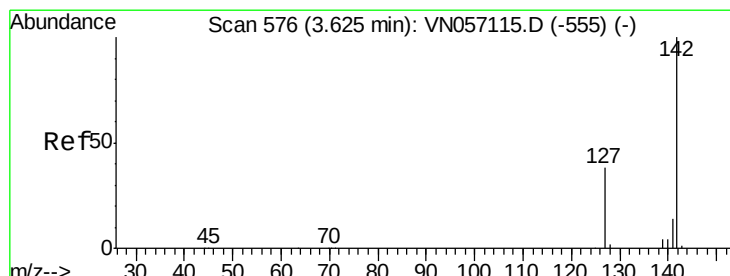
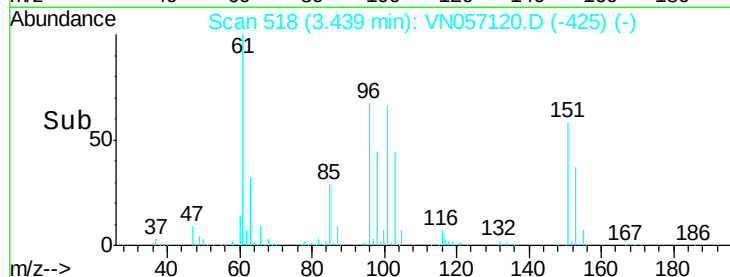
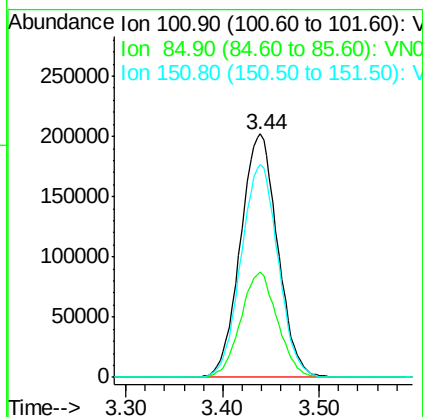
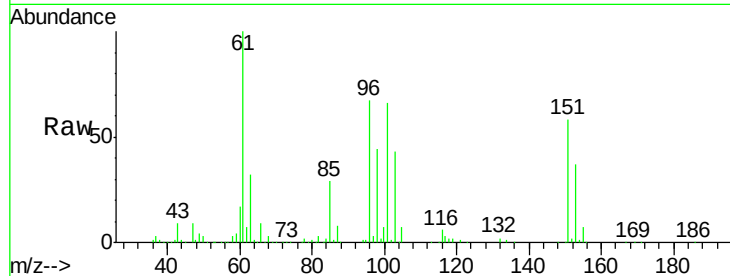
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	539257
Ion Ratio	Lower	Upper	
101	100		
85	42.7	32.3	48.5
151	87.3	69.4	104.0

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#10

Methyl Iodide

Concen: 51.375 ug/l

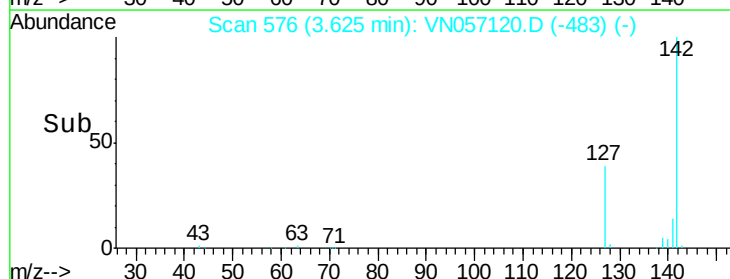
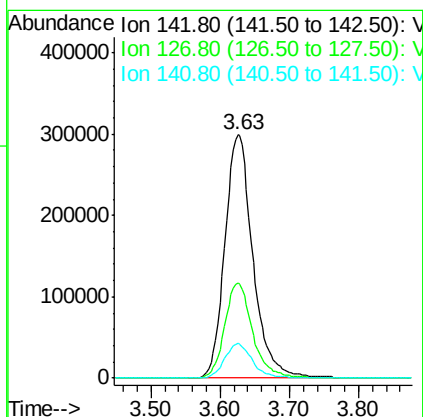
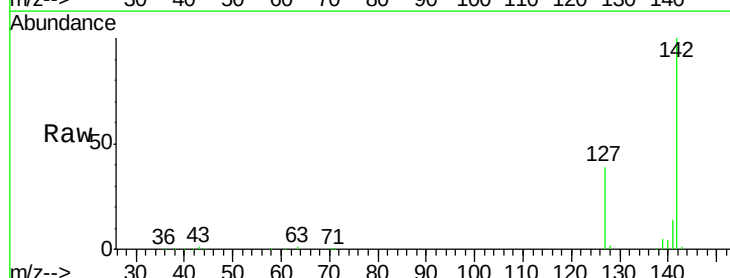
RT: 3.63 min Scan# 576

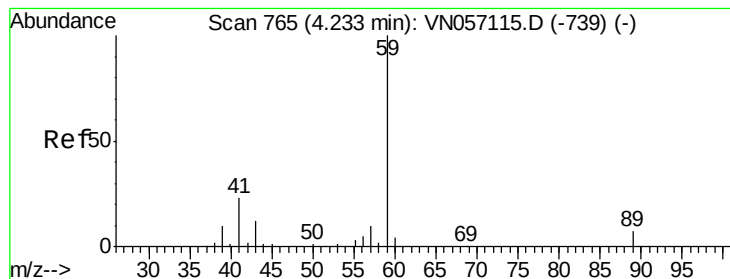
Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion:	142	Resp:	845980
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.6
141	14.0	11.2	16.8





#11

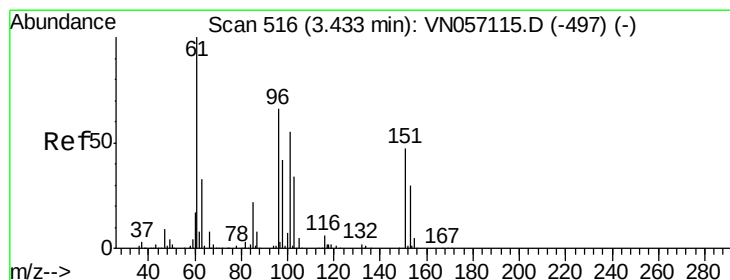
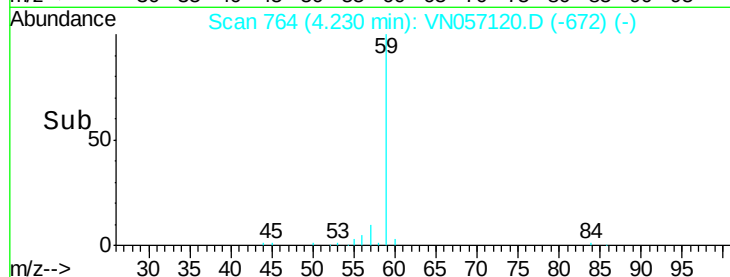
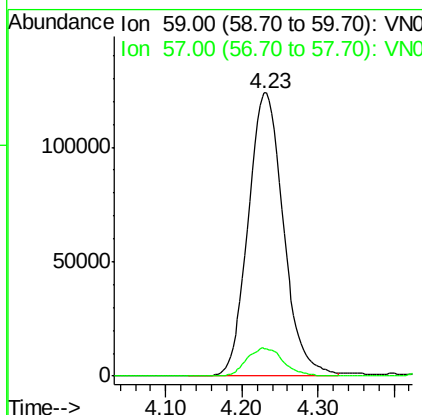
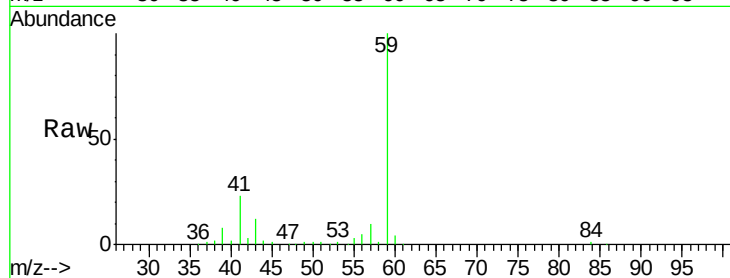
Tert butyl alcohol
 Concen: 216.994 ug/l
 RT: 4.23 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

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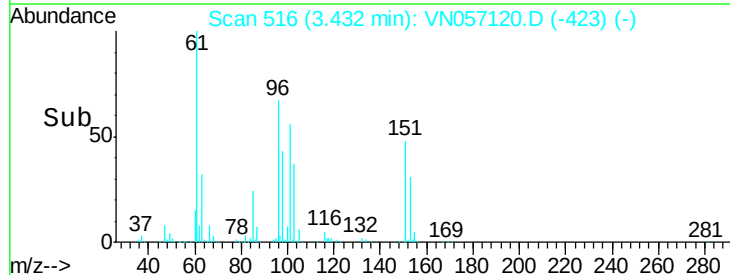
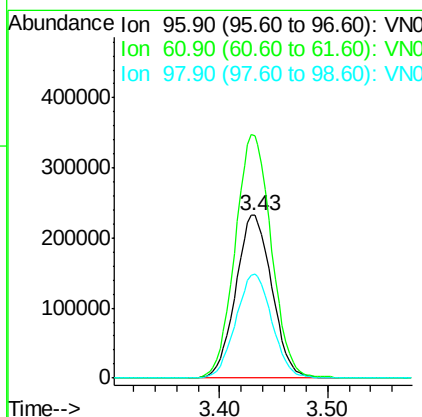
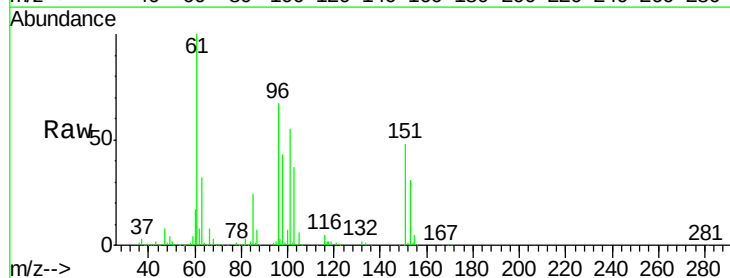
MMDadoda
 8/9/2019 9:27:52 AM

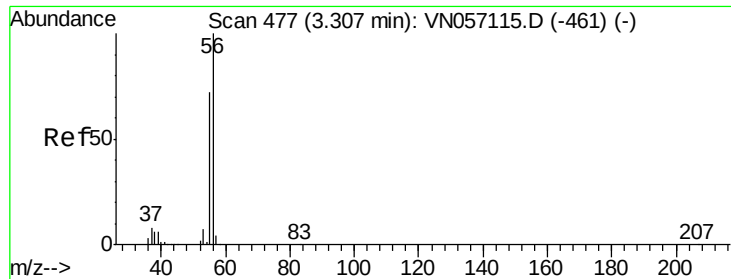


#12

1,1-Dichloroethene
 Concen: 50.608 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.5	121.0	181.6
98	64.2	50.8	76.2





#13

Acrolein

Concen: 223.499 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 260686

Ion Ratio Lower Upper

56 100

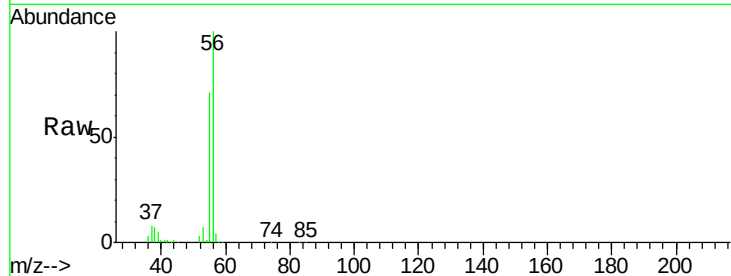
55 70.9 57.7 86.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.31

120000

100000

80000

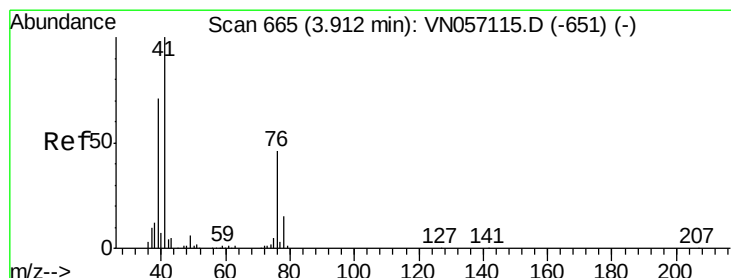
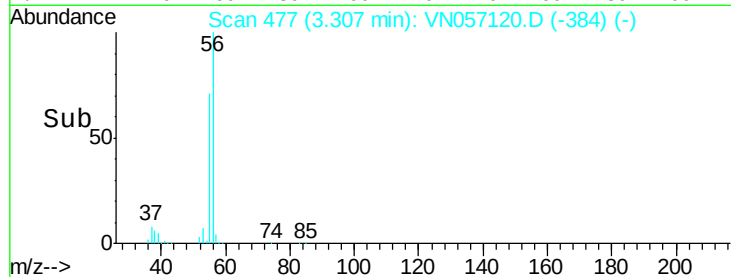
60000

40000

20000

0

Time--> 3.20 3.30 3.40



#14

Allyl chloride

Concen: 51.882 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

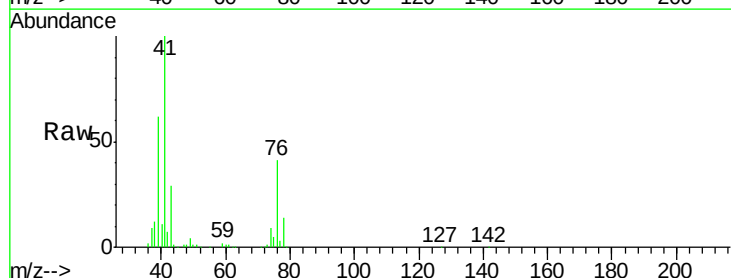
Tgt Ion: 41 Resp: 808249

Ion Ratio Lower Upper

41 100

39 63.4 51.1 76.7

76 40.0 32.8 49.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

3.91

400000

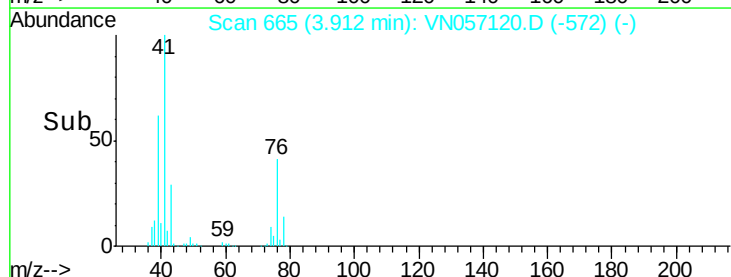
300000

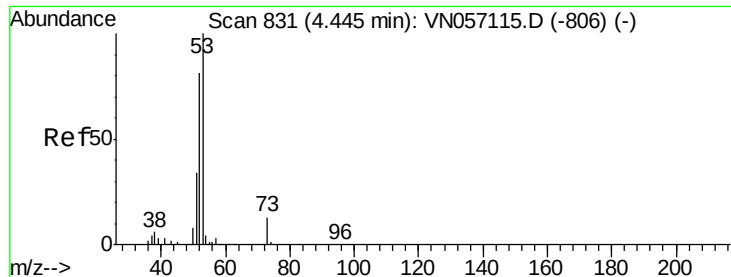
200000

100000

0

Time--> 3.80 3.90 4.00





#15

Acrylonitrile

Concen: 245.694 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1225999

Ion Ratio Lower Upper

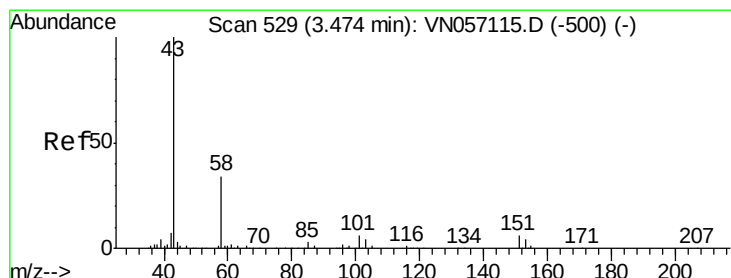
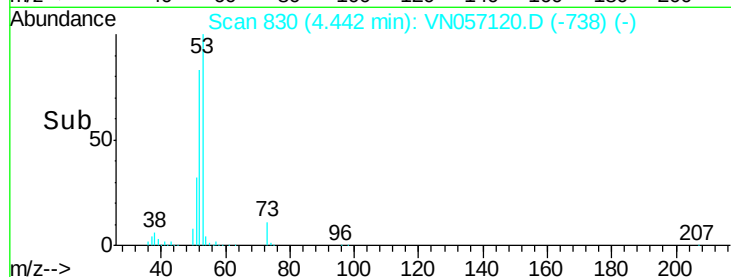
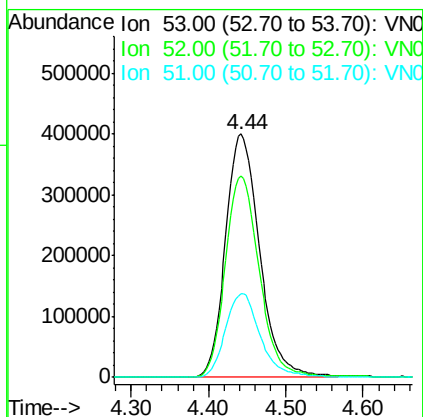
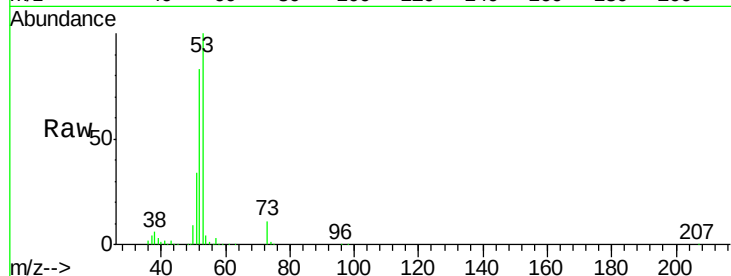
53 100

52 82.4 64.9 97.3

51 35.2 27.8 41.6

Manual Integrations
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#16

Acetone

Concen: 309.069 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057120.D

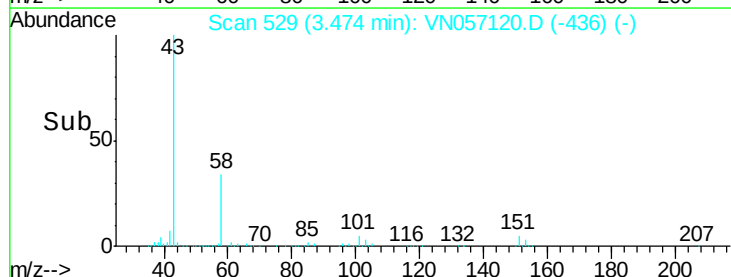
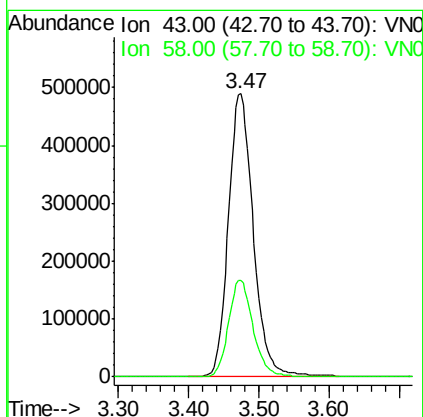
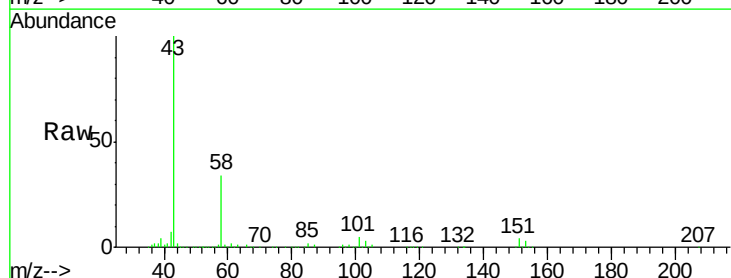
Acq: 8 Aug 2019 10:03

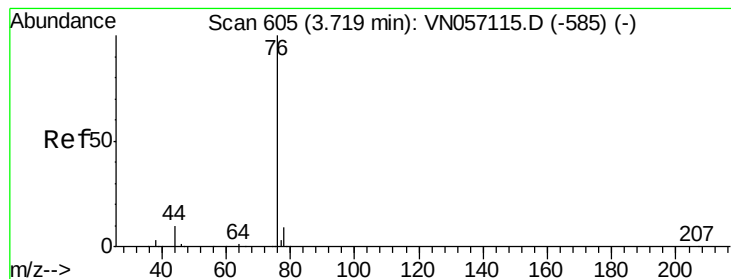
Tgt Ion: 43 Resp: 1209329

Ion Ratio Lower Upper

43 100

58 34.2 27.4 41.2





#17

Carbon Disulfide

Concen: 51.892 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1479879

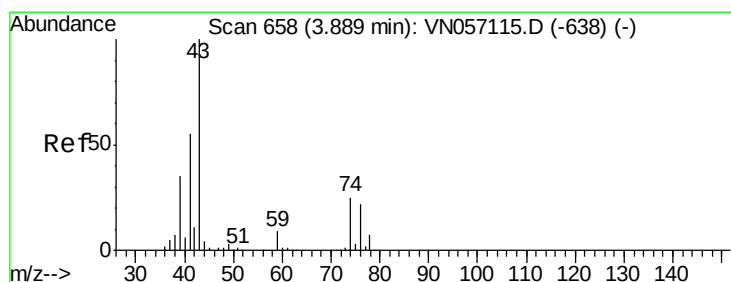
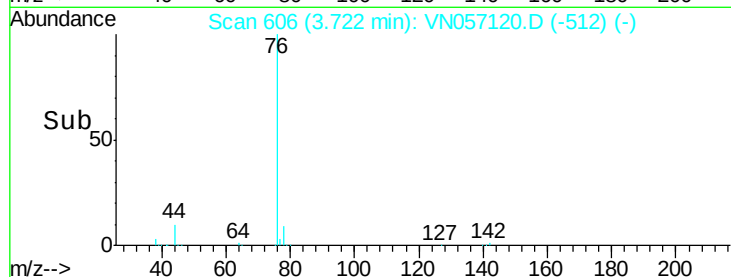
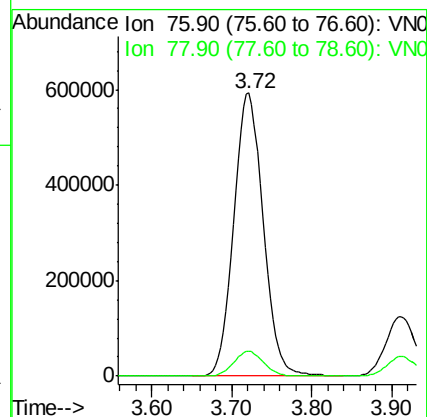
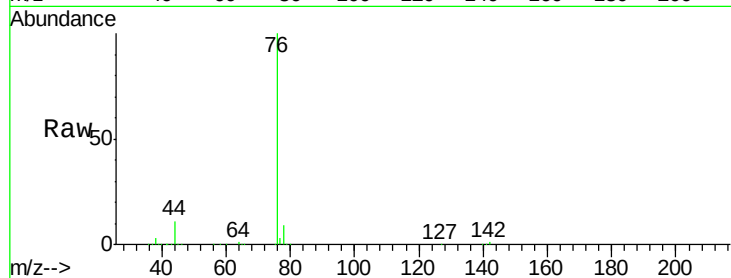
Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

Manual Integrations
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#18

Methyl Acetate

Concen: 48.224 ug/l

RT: 3.89 min Scan# 658

Delta R.T. 0.00 min

Lab File: VN057120.D

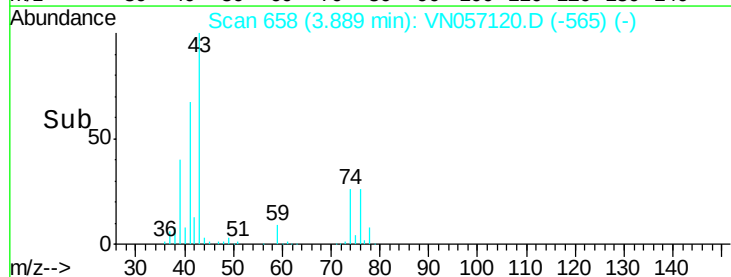
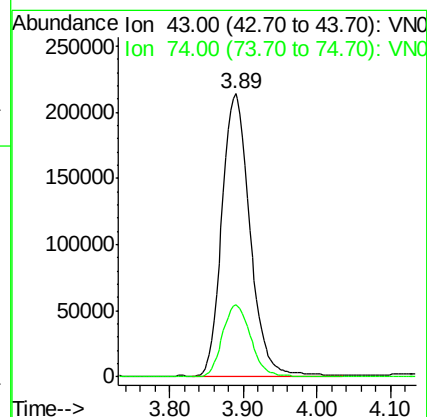
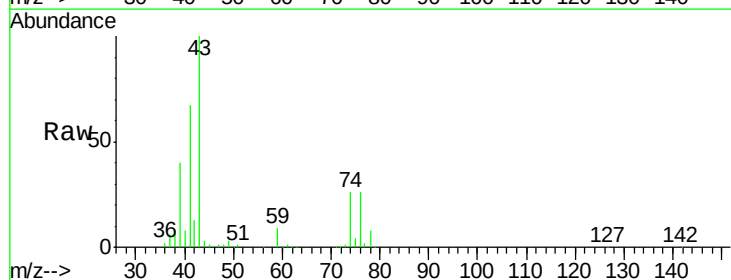
Acq: 8 Aug 2019 10:03

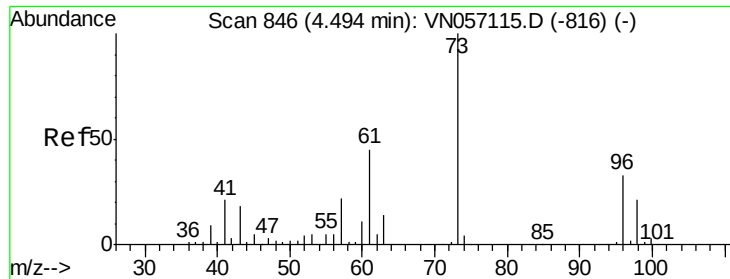
Tgt Ion: 43 Resp: 562475

Ion Ratio Lower Upper

43 100

74 26.0 20.2 30.4





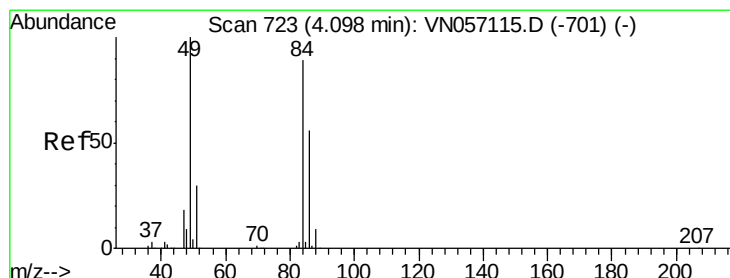
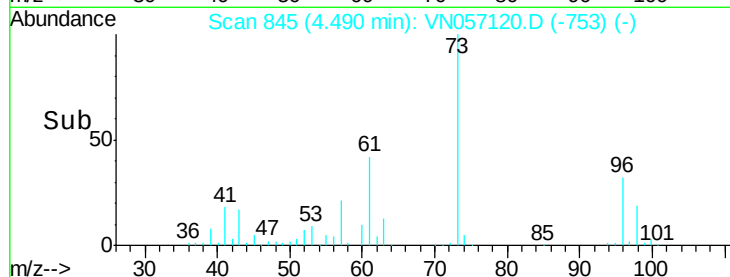
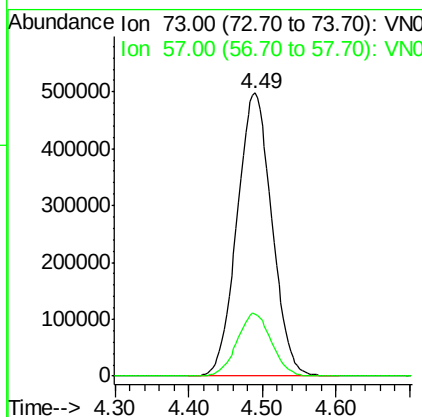
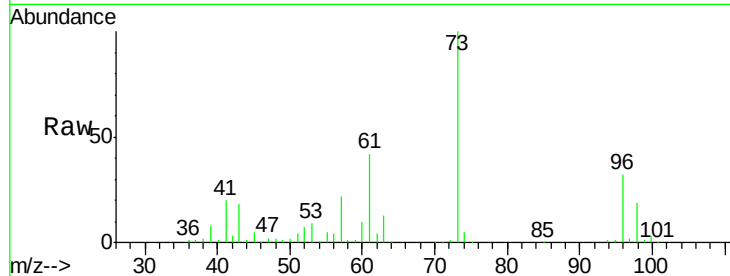
#19
Methyl tert-butyl Ether
Concen: 50.629 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1638503
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

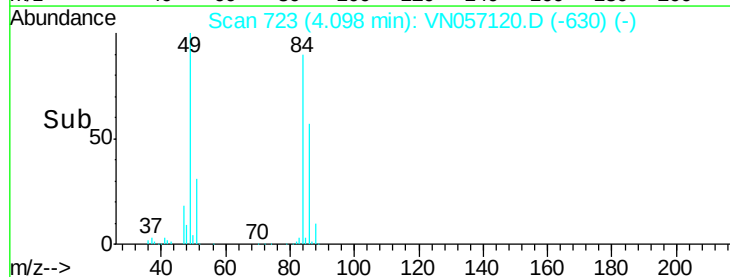
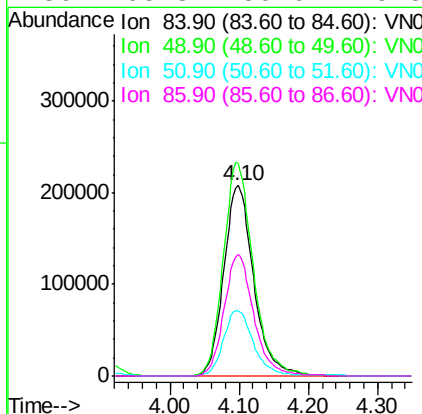
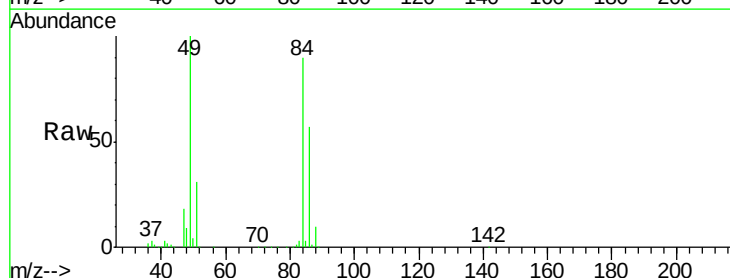
Manual Integrations
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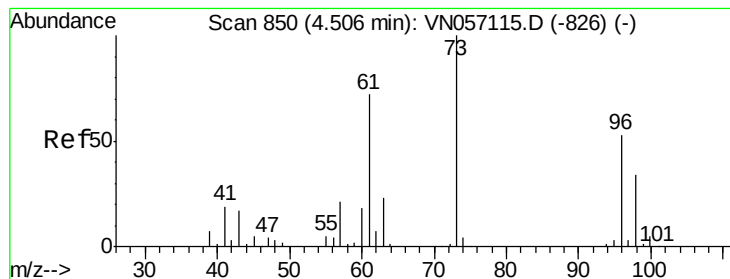
MMDadoda
8/9/2019 9:27:52 AM



#20
Methylene Chloride
Concen: 48.583 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion: 84 Resp: 627370
Ion Ratio Lower Upper
84 100
49 111.6 89.5 134.3
51 34.5 27.2 40.8
86 63.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 50.518 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

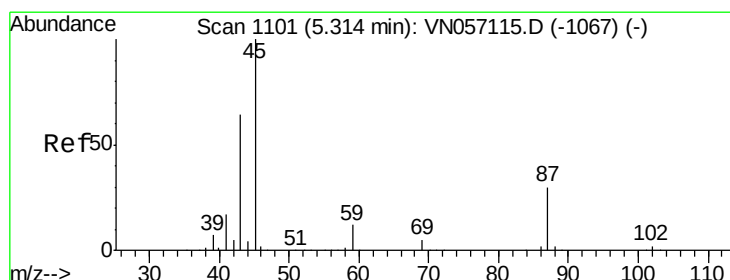
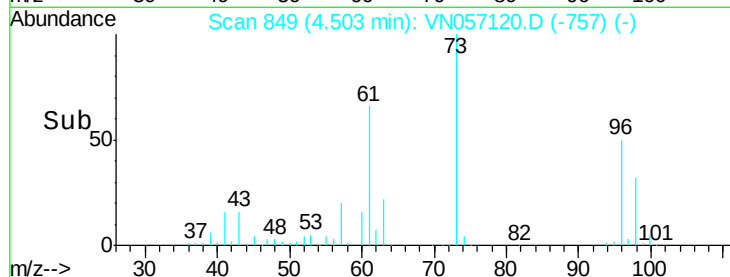
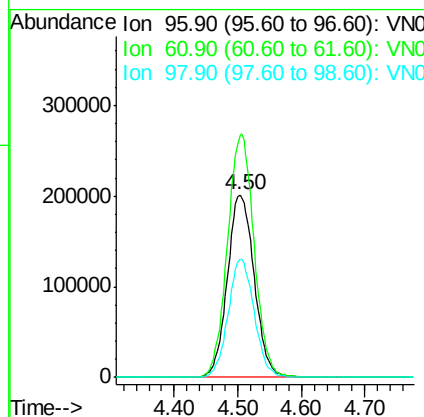
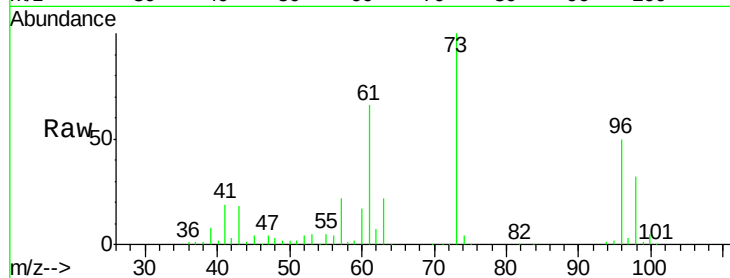
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	589924
Ion	Ratio	Lower	Upper
96	100		
61	132.7	108.1	162.1
98	65.1	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.056 ug/l

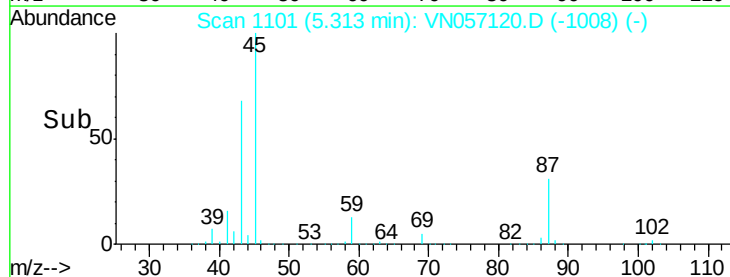
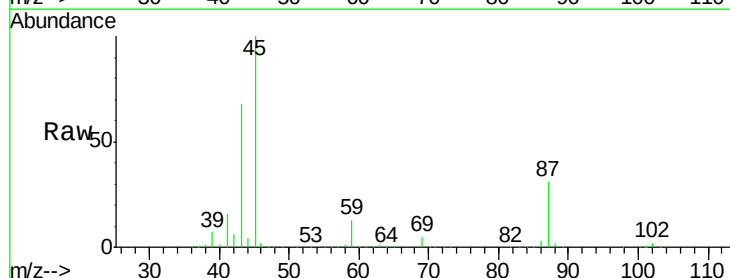
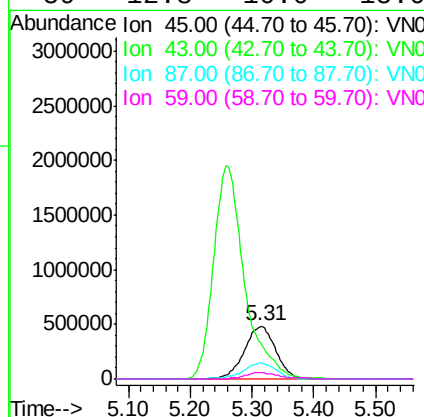
RT: 5.31 min Scan# 1101

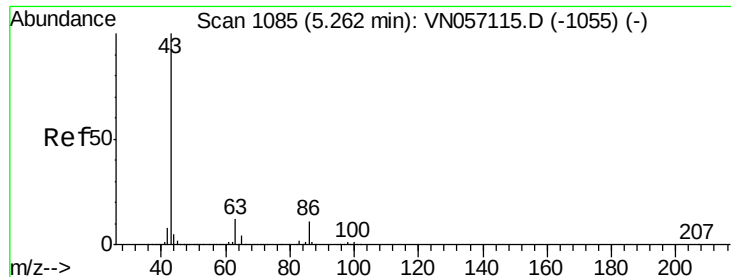
Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion:	45	Resp:	1700926
Ion	Ratio	Lower	Upper
45	100		
43	66.7	54.1	81.1
87	30.7	24.0	36.0
59	12.8	10.0	15.0





#23

Vinyl Acetate

Concen: 260.465 ug/l

RT: 5.26 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 6777580

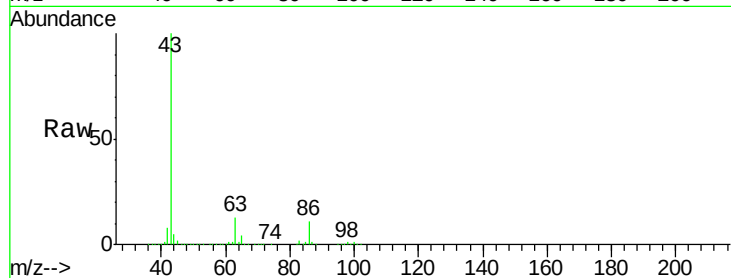
Ion Ratio Lower Upper

43 100

86 11.3 9.2 13.8

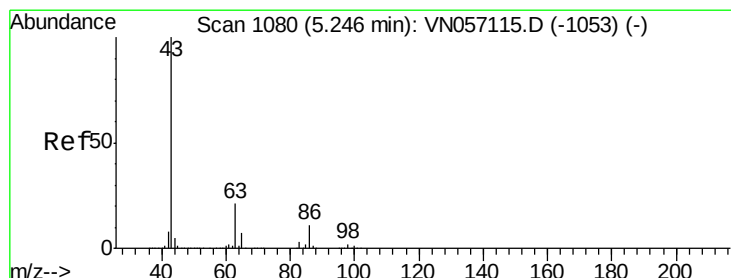
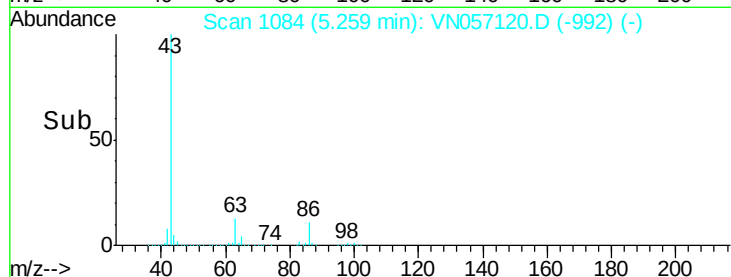
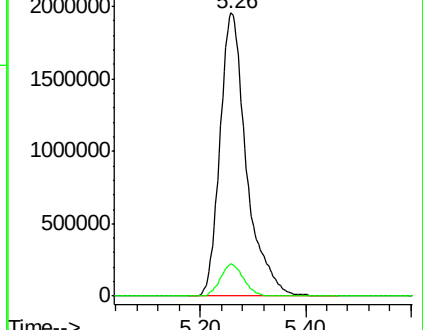
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Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1055) (-)

Ion 86.00 (85.70 to 86.70): VN057115.D (-1055) (-)



#24

1,1-Dichloroethane

Concen: 49.410 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

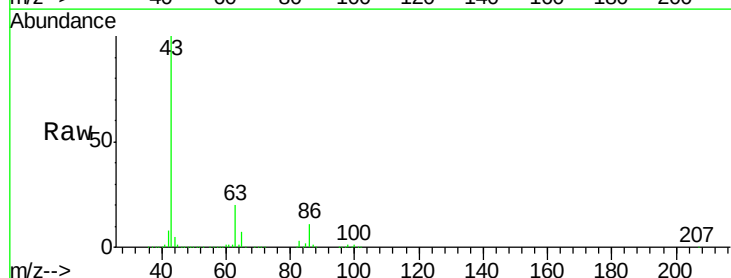
Tgt Ion: 63 Resp: 1032134

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

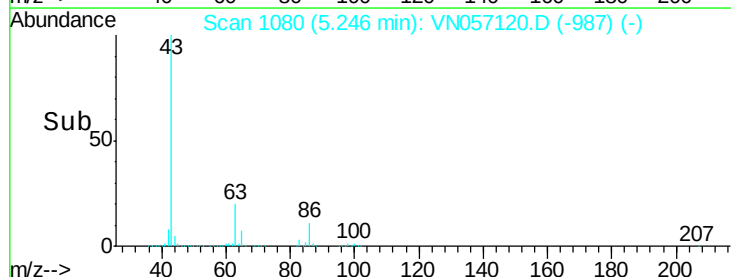
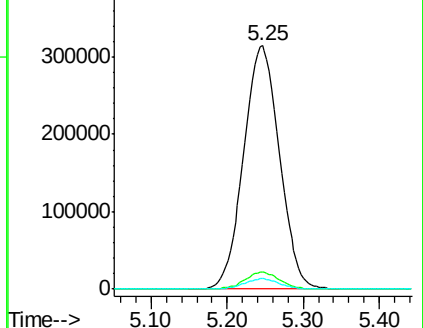
100 4.5 2.1 6.3

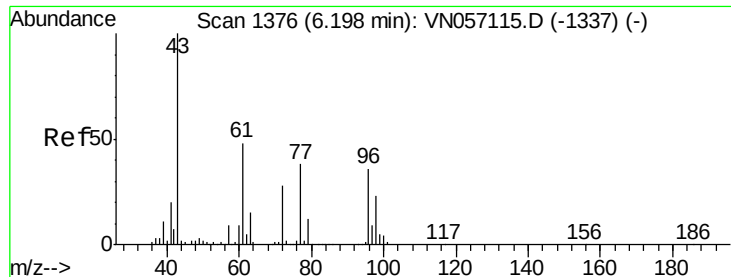


Abundance Ion 62.90 (62.60 to 63.60): VN057115.D (-1053) (-)

Ion 97.90 (97.60 to 98.60): VN057115.D (-1053) (-)

Ion 99.90 (99.60 to 100.60): VN057115.D (-1053) (-)





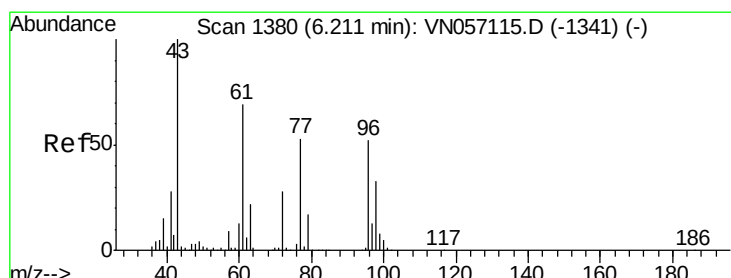
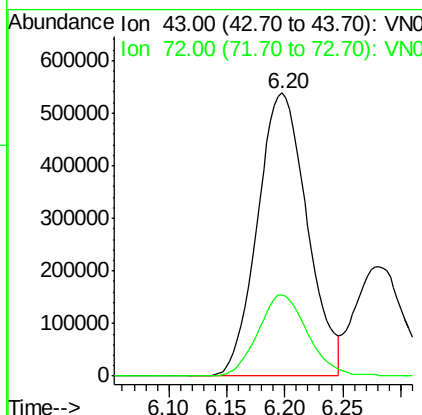
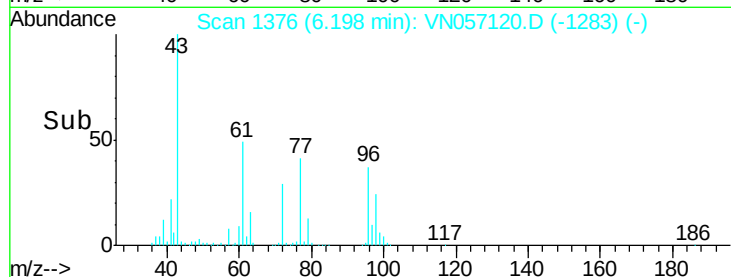
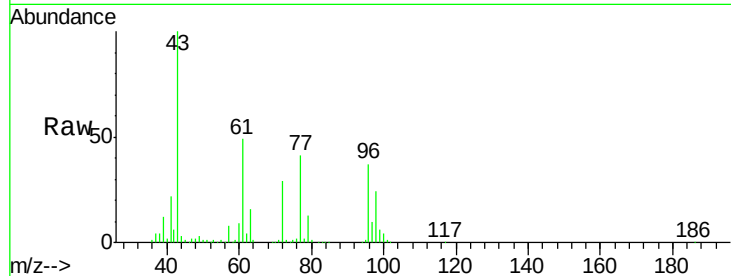
#25
2-Butanone
Concen: 268.165 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1603141
Ion Ratio Lower Upper
43 100
72 28.8 22.2 33.4

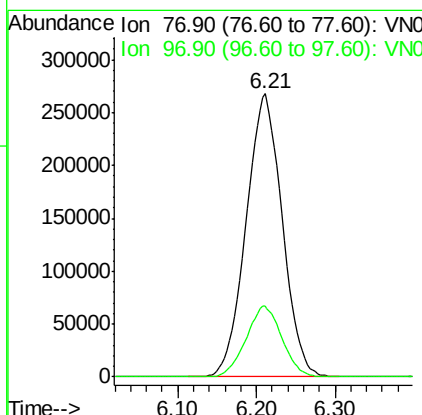
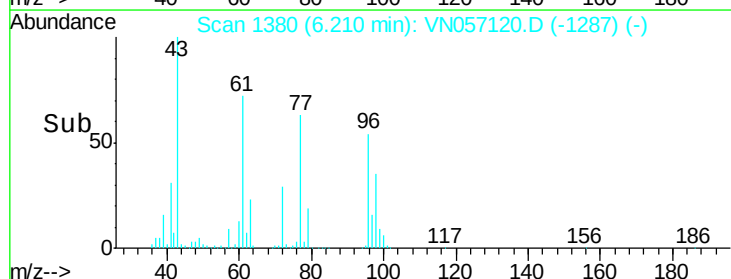
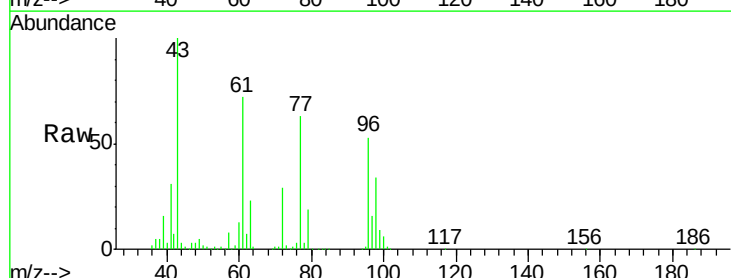
Manual Integrations
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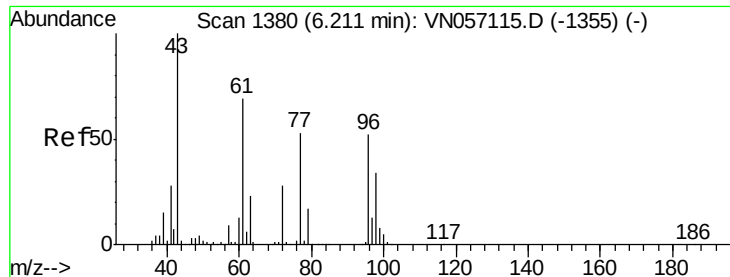
MMDadoda
8/9/2019 9:27:52 AM



#26
2,2-Dichloropropane
Concen: 57.191 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion: 77 Resp: 869153
Ion Ratio Lower Upper
77 100
97 24.8 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 51.247 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

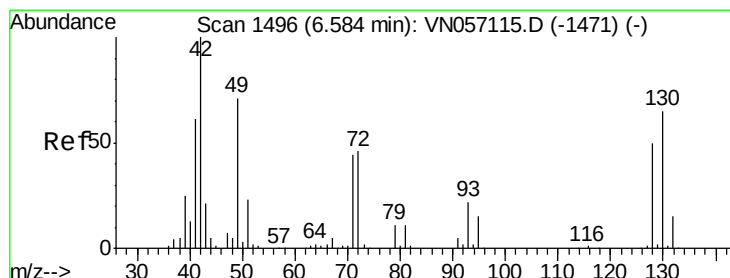
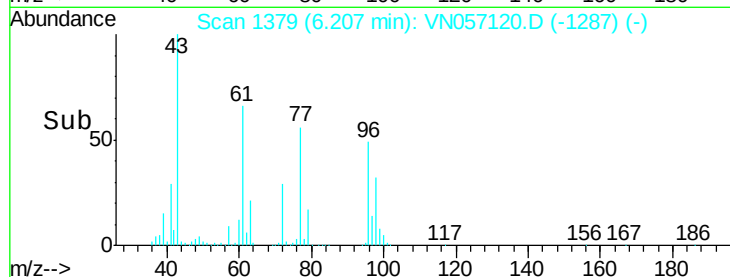
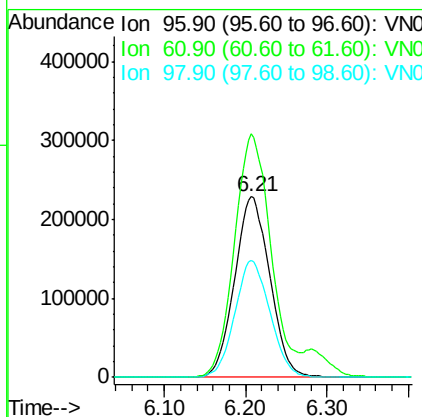
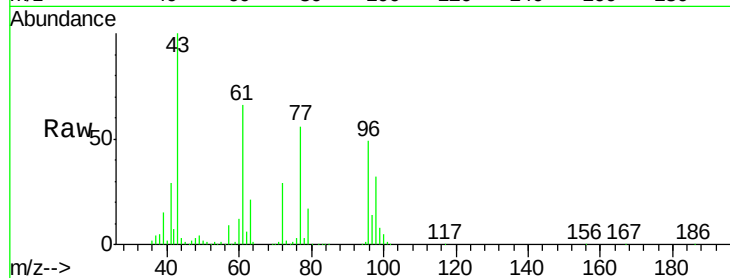
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	685575
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	273.4
98	64.7	0.0	130.4

Manual Integrations
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#28

Bromochloromethane

Concen: 49.768 ug/l

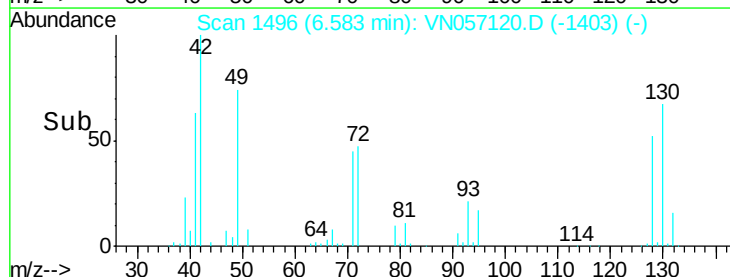
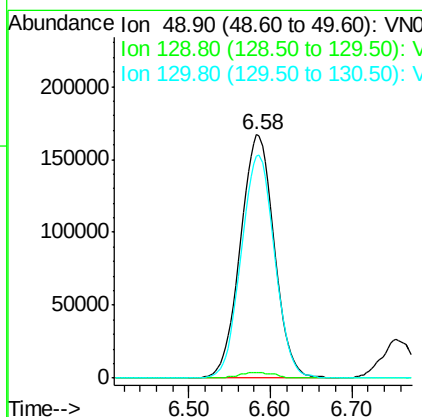
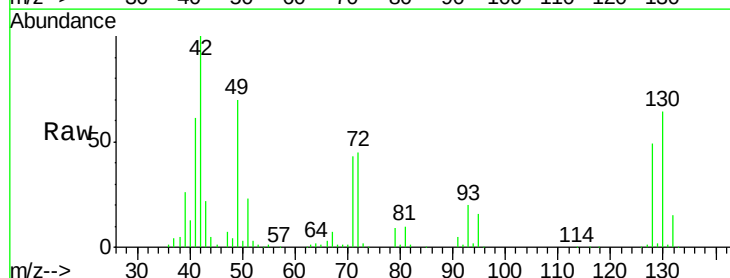
RT: 6.58 min Scan# 1496

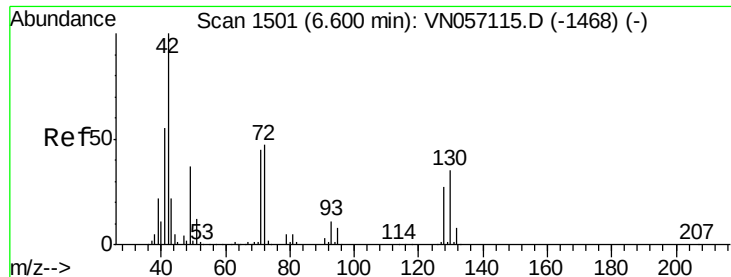
Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion:	49	Resp:	478185
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	90.7	73.8	110.8





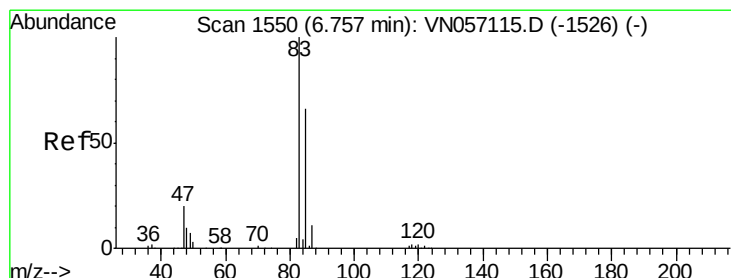
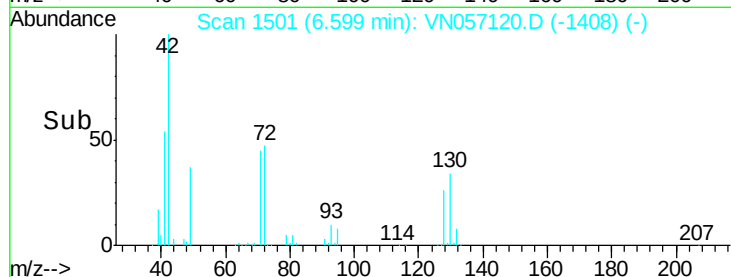
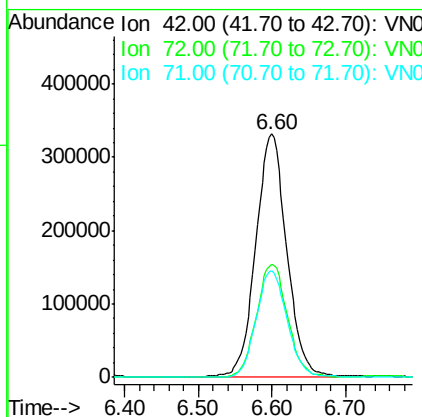
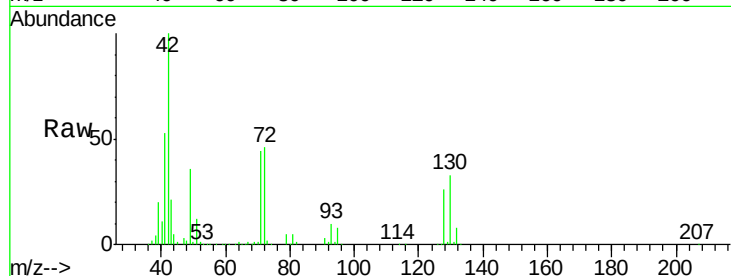
#29
Tetrahydrofuran
Concen: 241.416 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.1	55.7
71	43.9	34.8	52.2

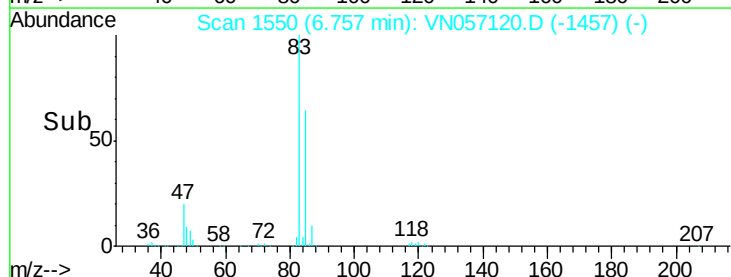
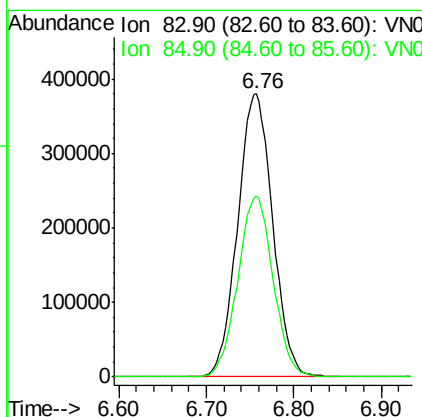
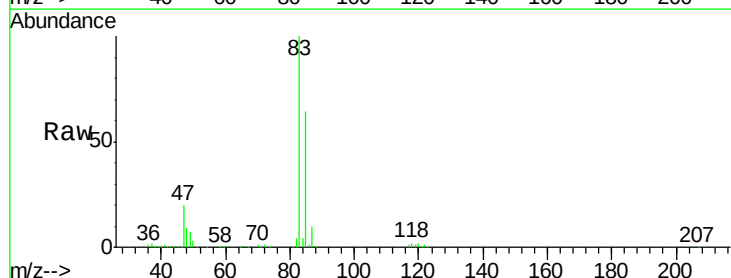
Manual Integrations
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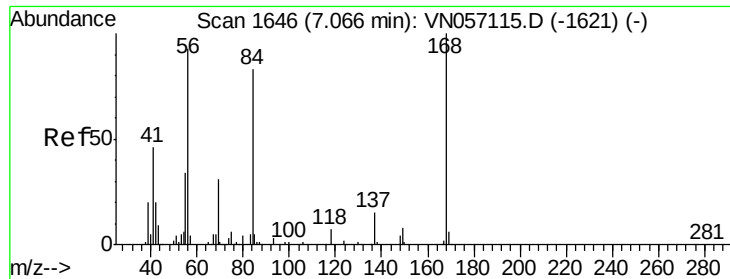
MMDadoda
8/9/2019 9:27:52 AM



#30
Chloroform
Concen: 48.769 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.6	78.8





#31

Cyclohexane

Concen: 49.005 ug/l

RT: 7.06 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

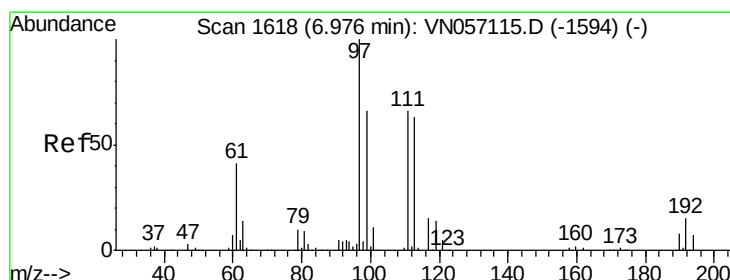
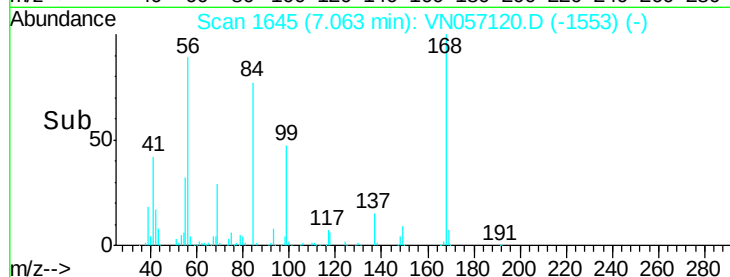
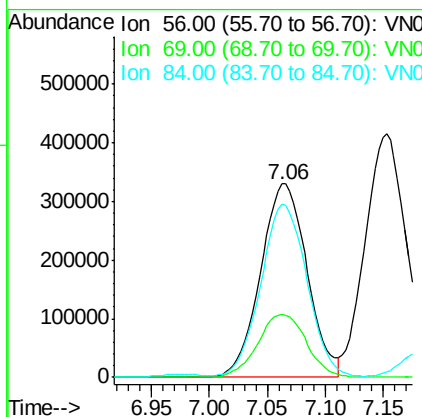
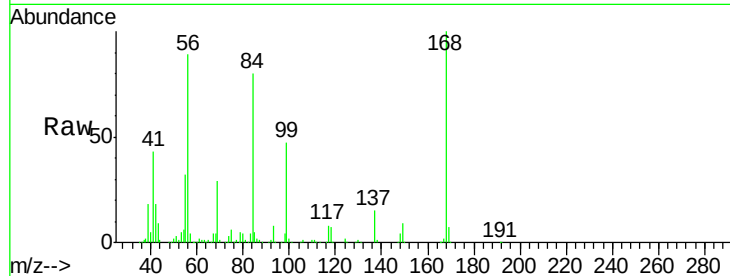
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	920962
Ion Ratio	Lower	Upper	
56	100		
69	32.6	26.9	40.3
84	88.2	71.9	107.9

Manual Integrations
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8/9/2019 9:27:52 AM



#32

1,1,1-Trichloroethane

Concen: 50.105 ug/l

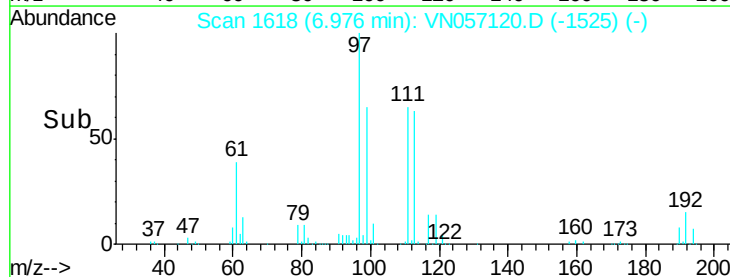
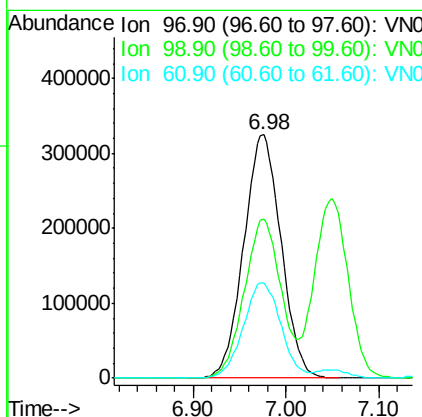
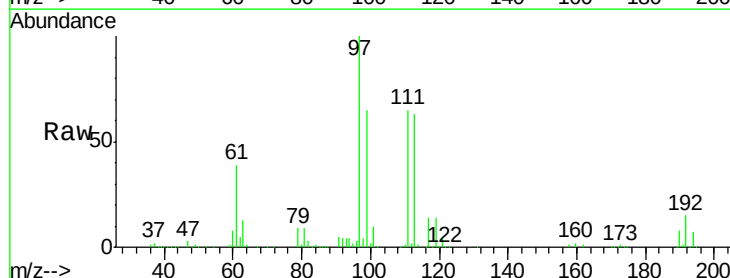
RT: 6.98 min Scan# 1618

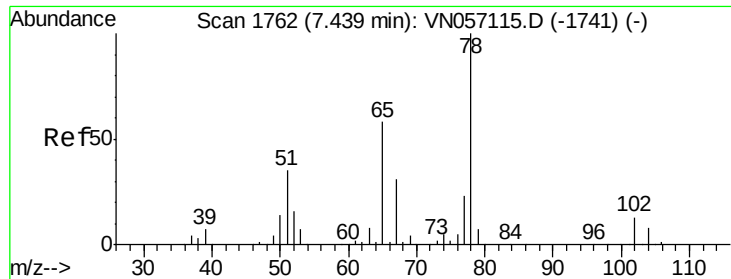
Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion:	97	Resp:	908738
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.8	77.6
61	39.5	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 49.175 ug/l

RT: 7.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tot Ion: 65 Resp: 637132

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.2

Instrument :

MSVOA_N

ClientSampleId :

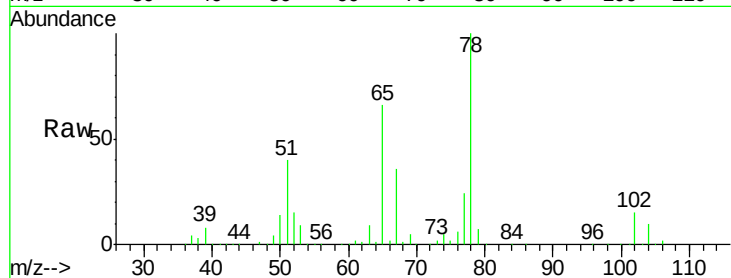
VSTDCCC050

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN057120.D (-1669) (-)

Ion 66.90 (66.60 to 67.60): VN057120.D (-1669) (-)

7.44

250000

200000

150000

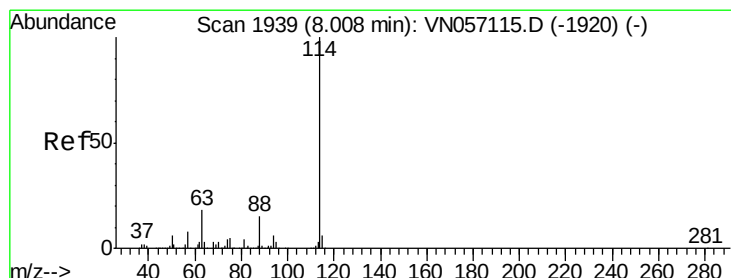
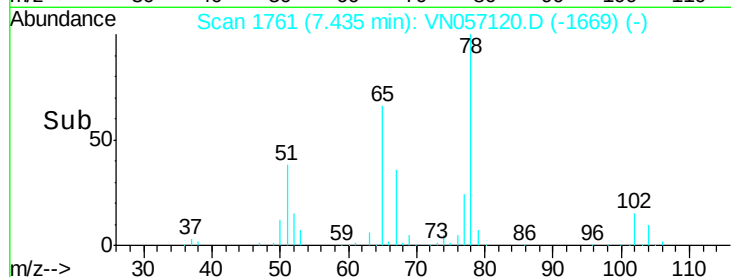
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

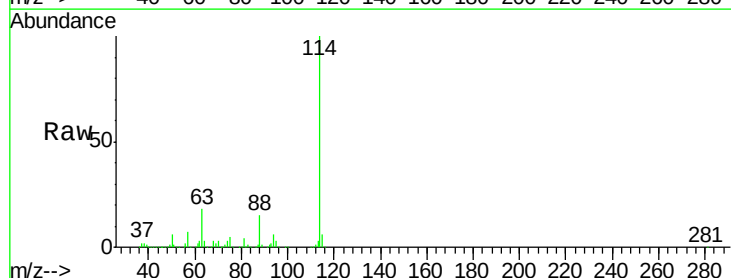
Tgt Ion:114 Resp: 1819415

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

88 15.1 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN057120.D (-1846) (-)

Ion 63.00 (62.70 to 63.70): VN057120.D (-1846) (-)

Ion 87.90 (87.60 to 88.60): VN057120.D (-1846) (-)

8.01

1000000

800000

600000

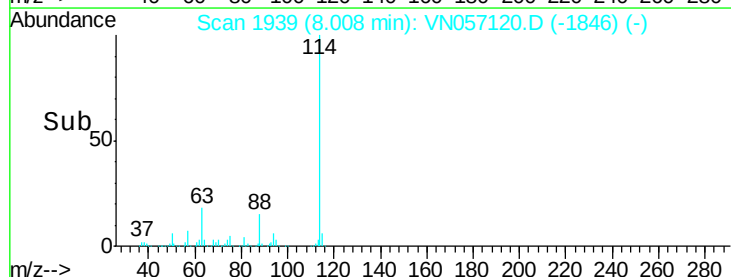
400000

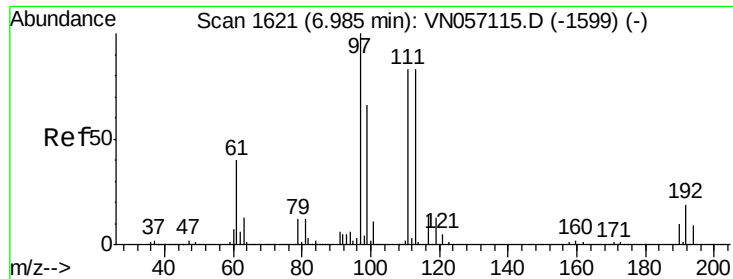
200000

0

7.90 8.00 8.10

Time-->





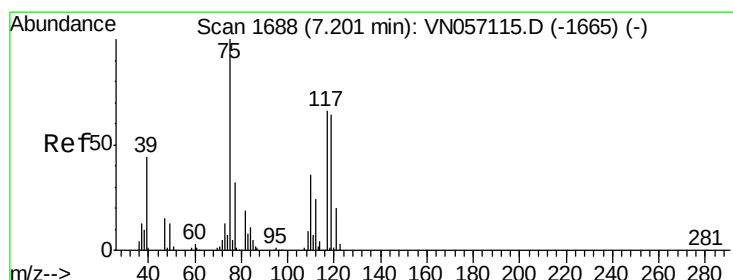
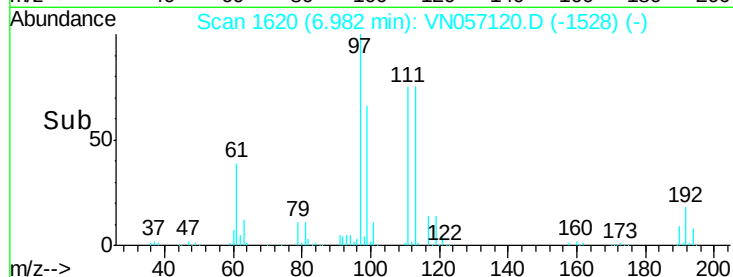
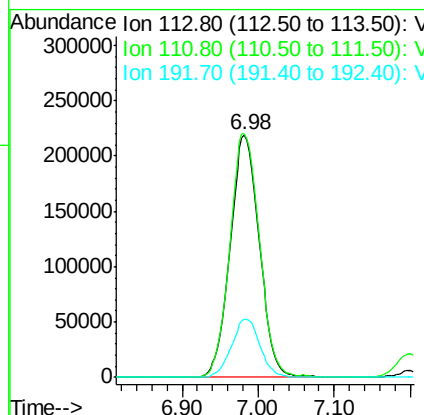
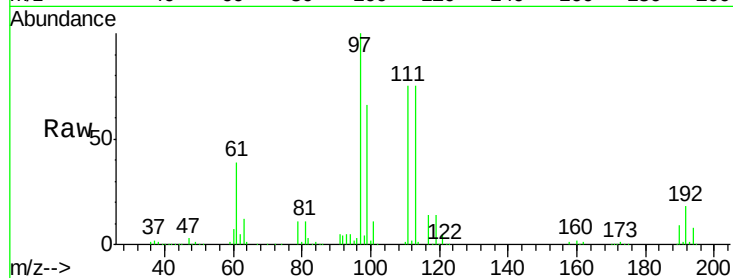
#35
 Dibromofluoromethane
 Concen: 51.266 ug/l
 RT: 6.98 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	113	Resp:	585306
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.3	121.9
192	23.6	19.0	28.4

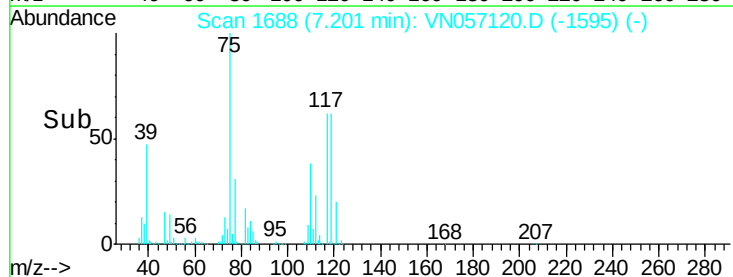
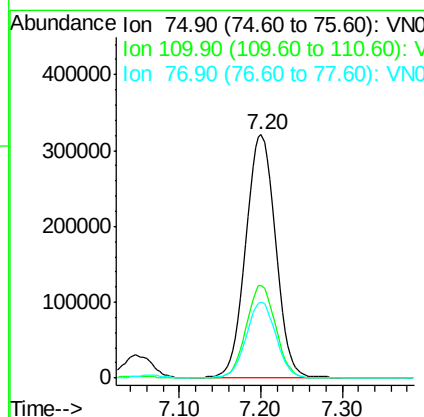
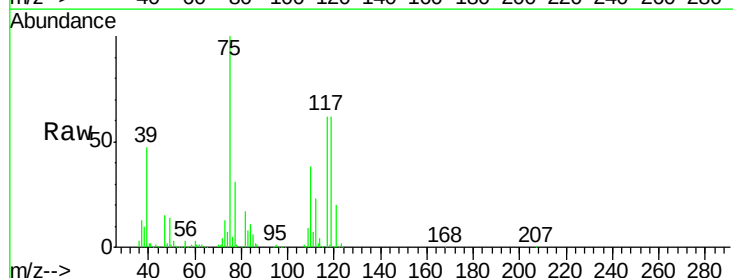
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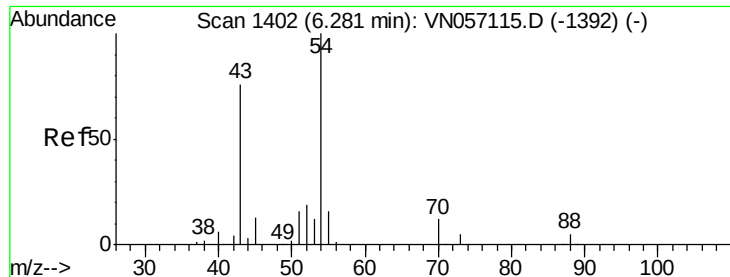
MMDadoda
 8/9/2019 9:27:52 AM



#36
 1,1-Dichloropropene
 Concen: 53.998 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Tgt Ion:	75	Resp:	808905
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.7	56.1
77	30.9	25.0	37.4





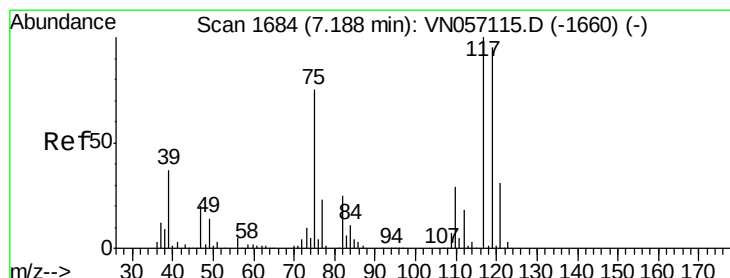
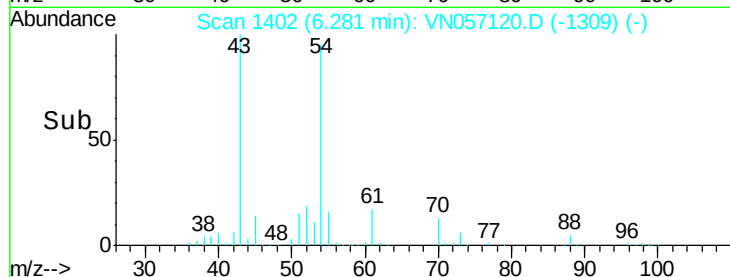
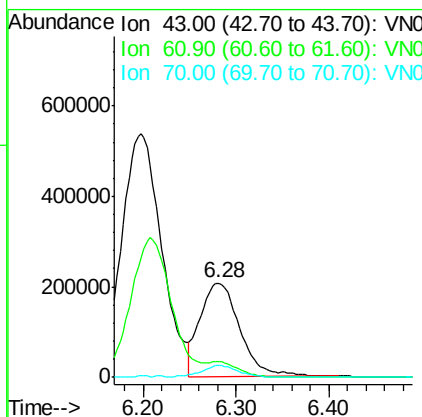
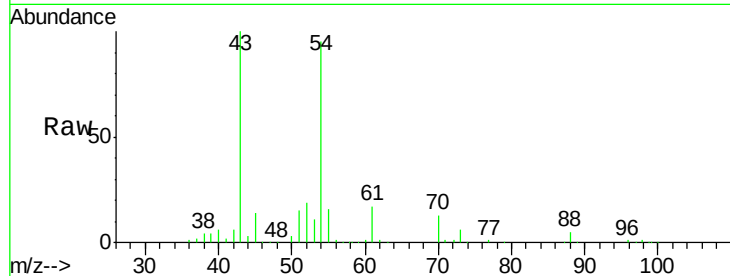
#37
Ethyl Acetate
Concen: 49.965 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	11.5	9.1	13.7

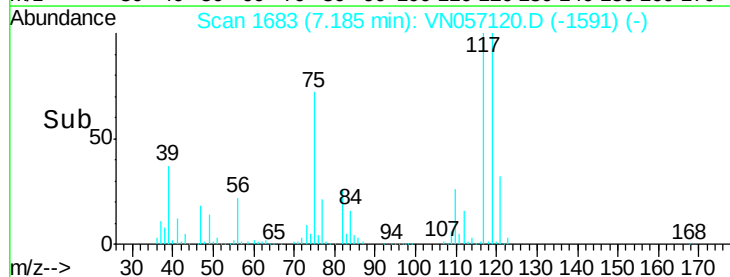
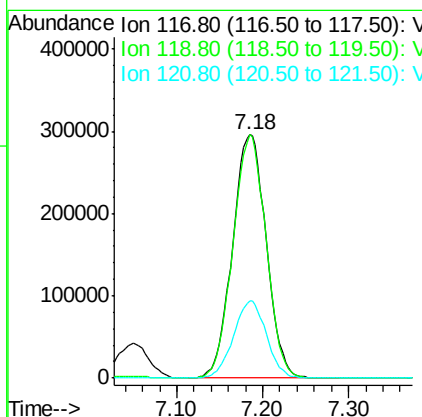
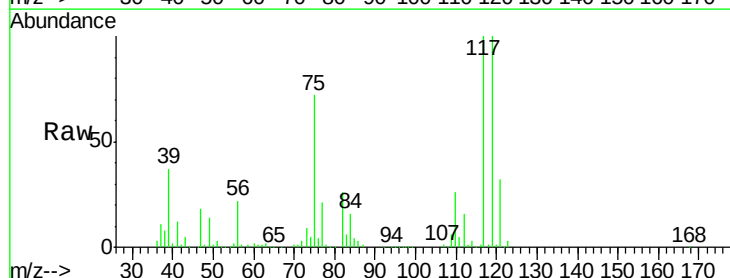
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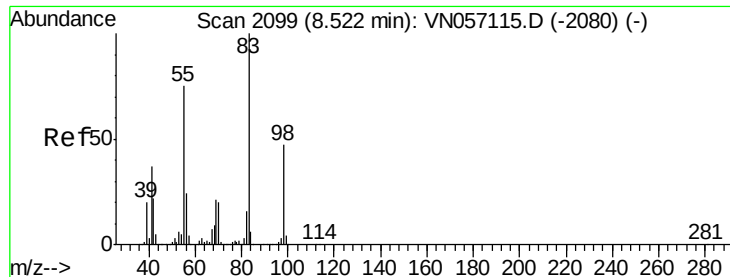
MMDadoda
8/9/2019 9:27:52 AM



#38
Carbon Tetrachloride
Concen: 51.344 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	75.8	113.6
121	31.8	24.4	36.6





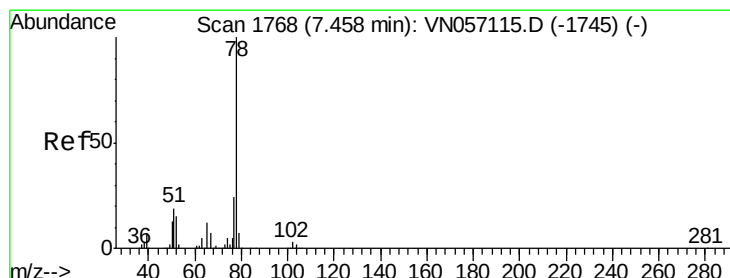
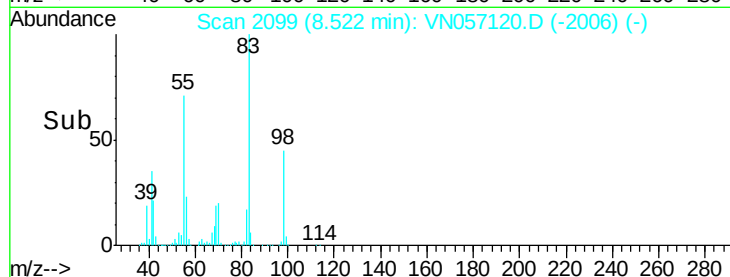
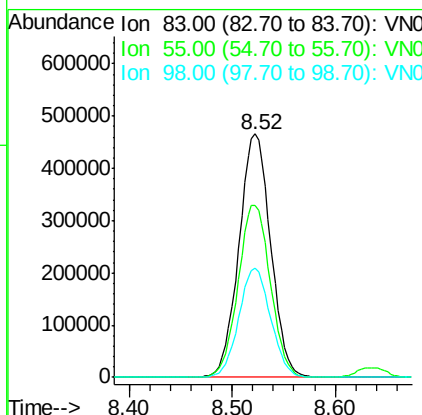
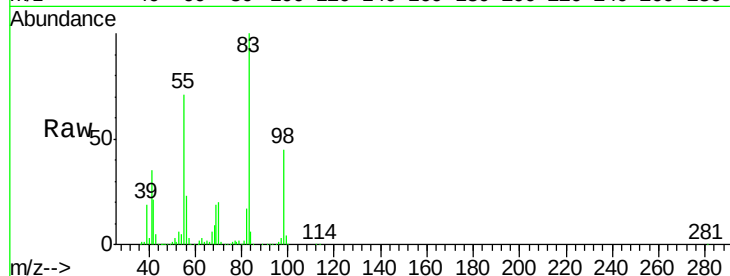
#39
Methylvlcyclohexane
Concen: 54.688 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.8	60.3	90.5
98	45.0	37.9	56.9

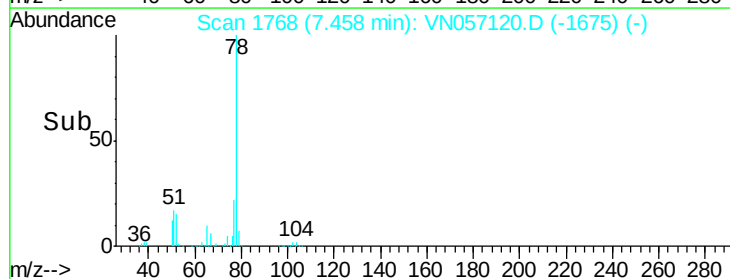
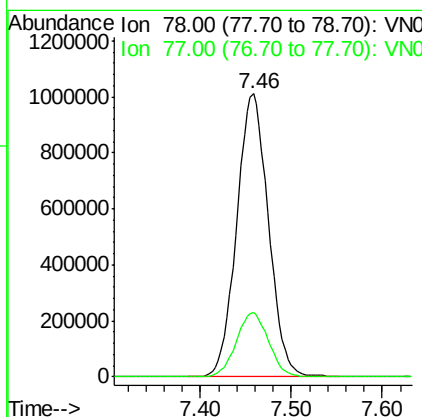
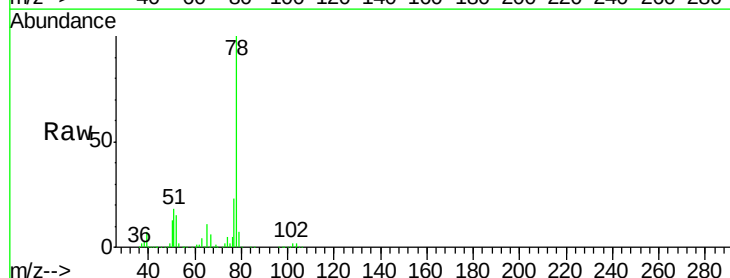
Manual Integrations
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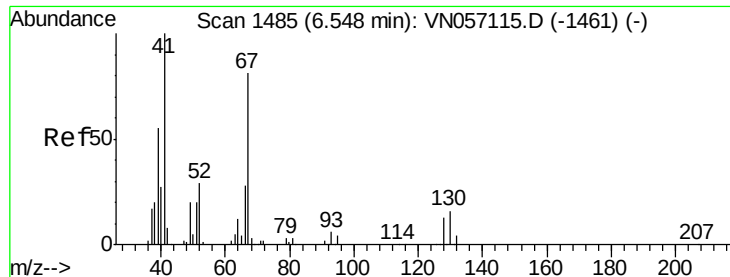
MMDadoda
8/9/2019 9:27:52 AM



#40
Benzene
Concen: 51.582 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.2	28.8





#41

Methacrylonitrile

Concen: 54.490 ug/l

RT: 6.54 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 41 Resp: 341797
Ion Ratio Lower Upper

41 100

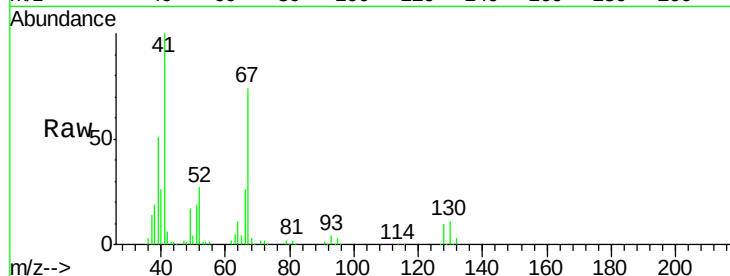
39 57.4 44.9 67.3

67 82.7 69.1 103.7

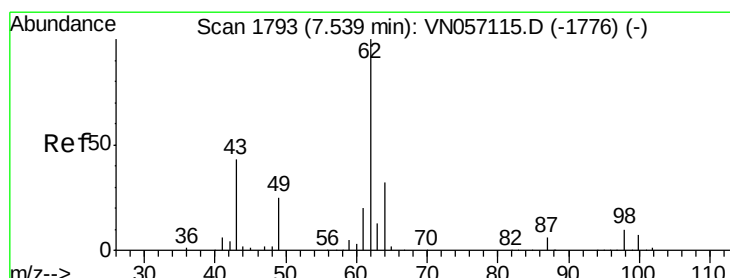
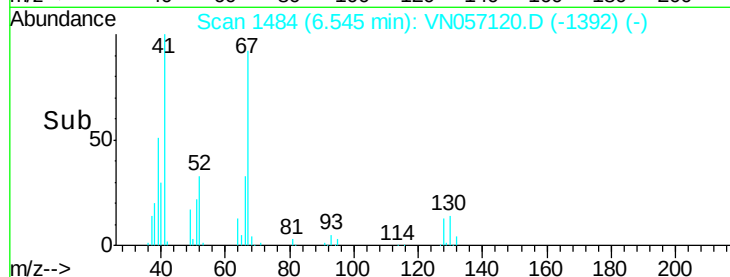
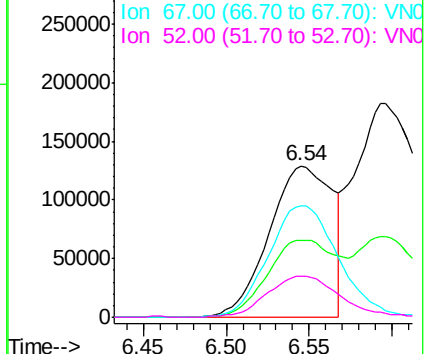
52 30.5 25.8 38.6

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 49.470 ug/l

RT: 7.54 min Scan# 1793

Delta R.T. -0.00 min

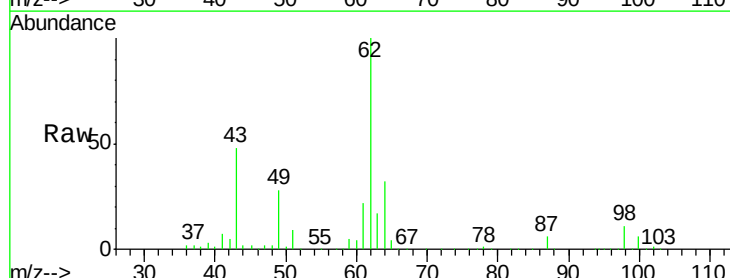
Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

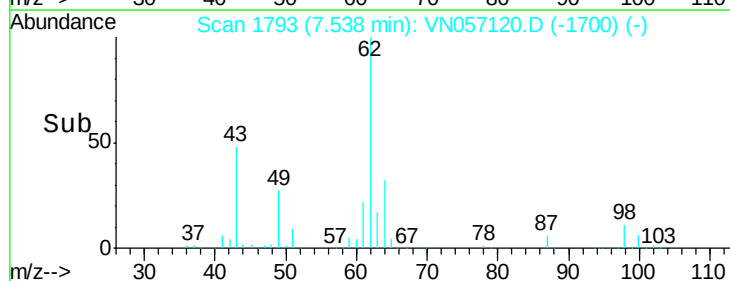
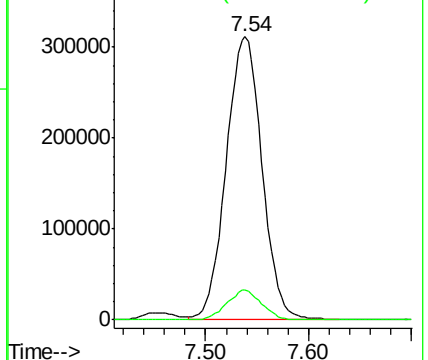
Tgt Ion: 62 Resp: 748208
Ion Ratio Lower Upper

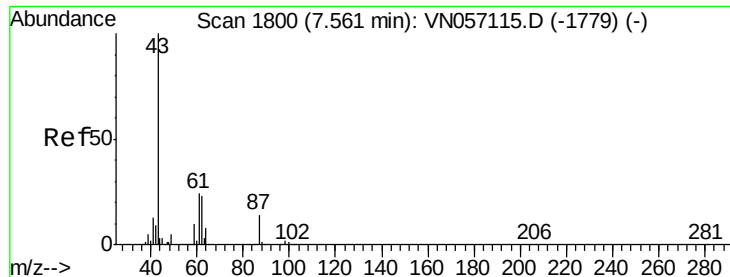
62 100

98 10.4 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.190 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1057677

Ion Ratio Lower Upper

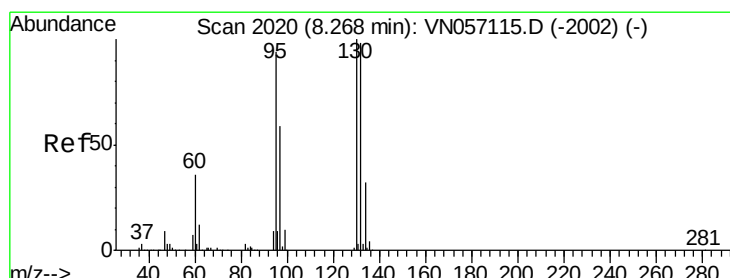
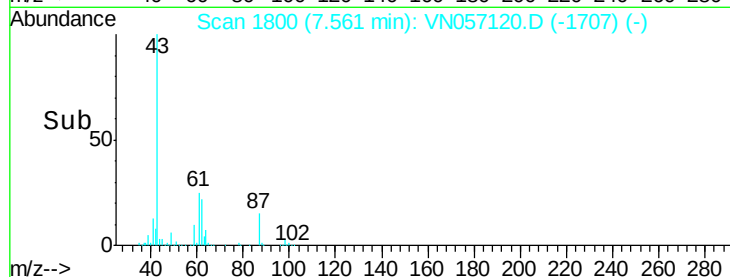
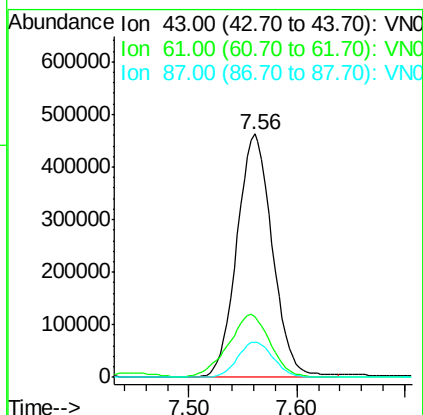
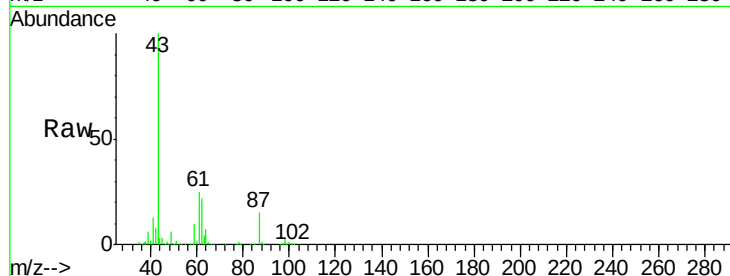
43 100

61 30.1 24.2 36.2

87 14.8 11.8 17.8

Manual Integrations
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MMDadoda
8/9/2019 9:27:52 AM



#44

Trichloroethene

Concen: 51.470 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057120.D

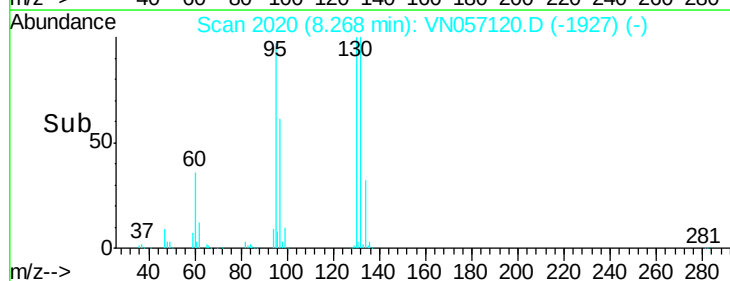
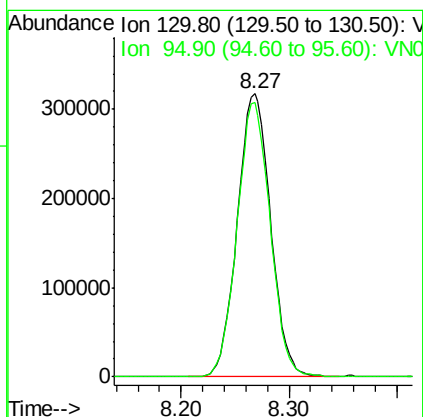
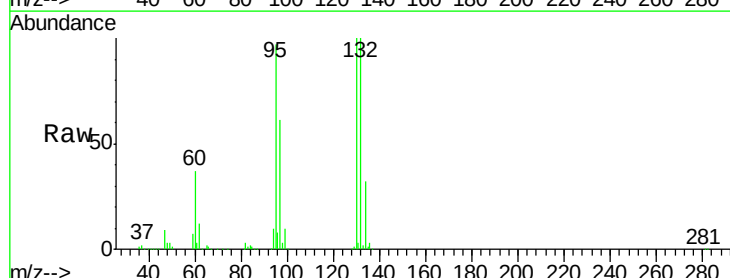
Acq: 8 Aug 2019 10:03

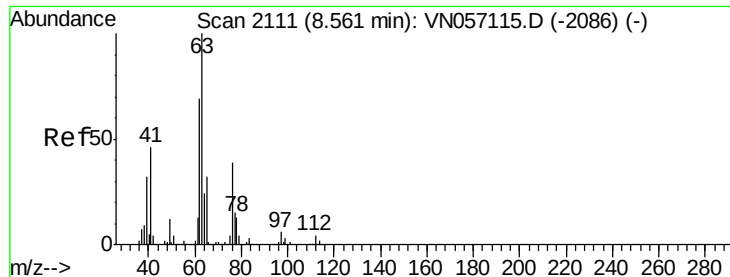
Tgt Ion: 130 Resp: 683830

Ion Ratio Lower Upper

130 100

95 97.0 0.0 187.4





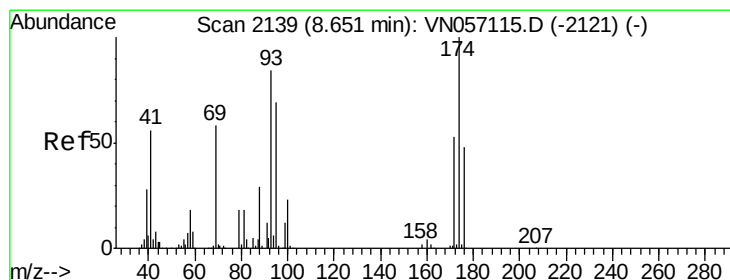
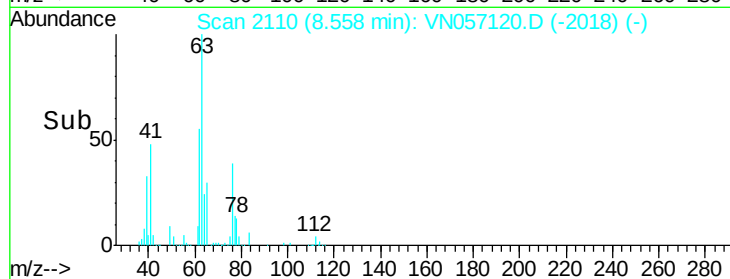
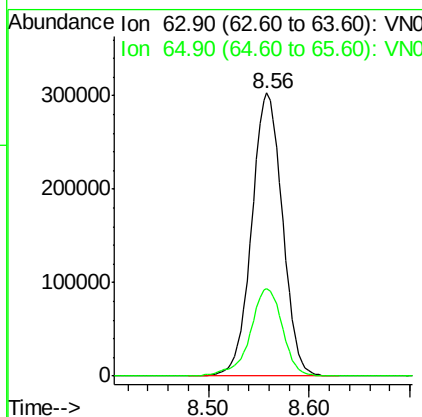
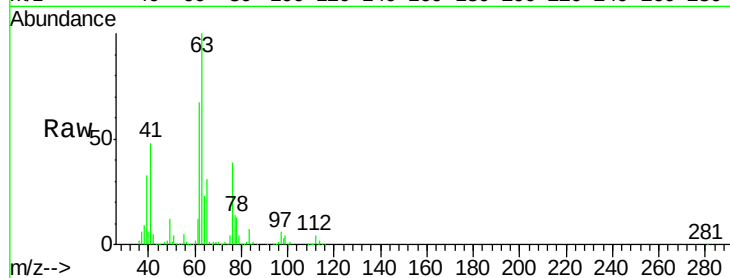
#45
 1,2-Dichloropropane
 Concen: 52.052 ug/l
 RT: 8.56 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.2	37.8

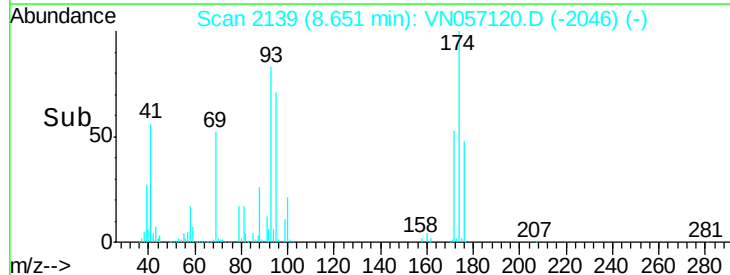
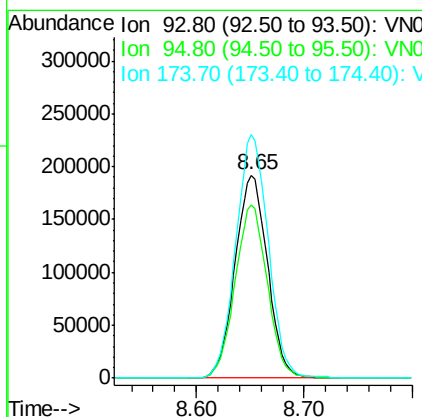
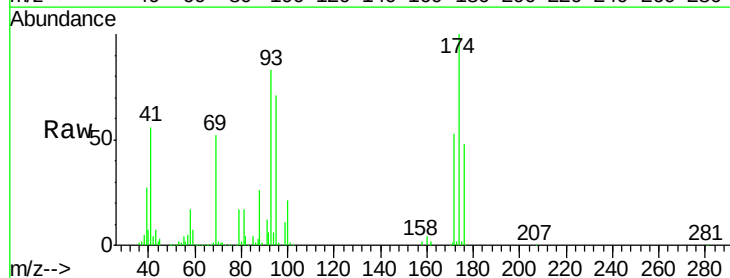
Manual Integrations
 APPROVED

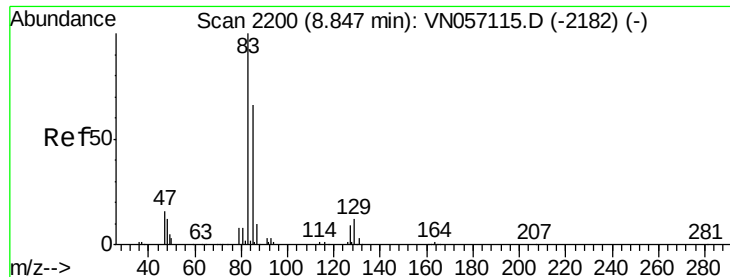
MMDadoda
 8/9/2019 9:27:52 AM



#46
 Dibromomethane
 Concen: 50.925 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.0	99.0
174	120.2	96.0	144.0





#47

Bromodichloromethane

Concen: 52.835 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

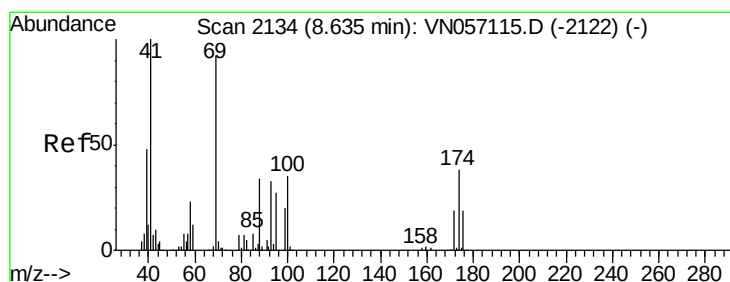
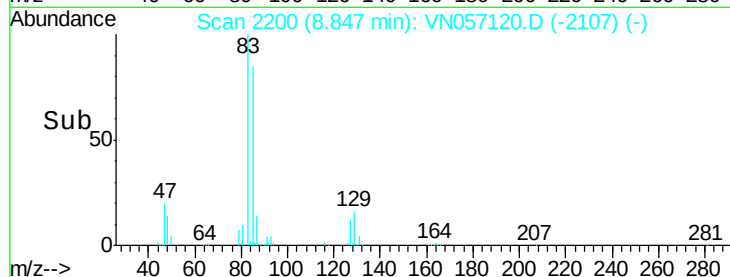
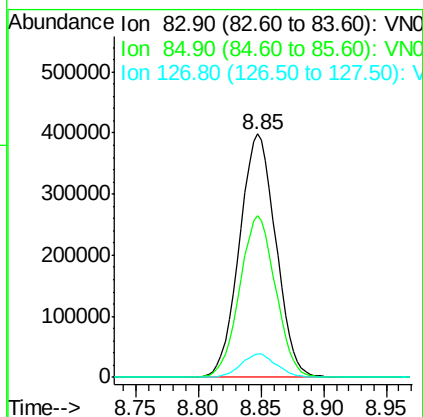
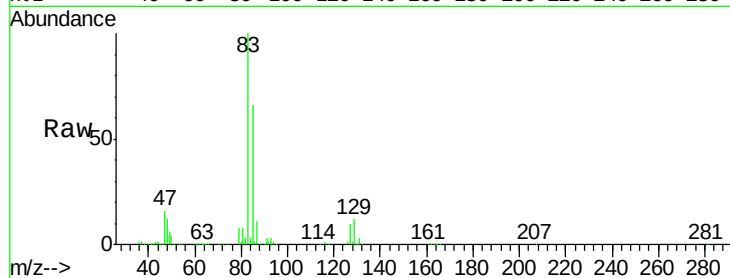
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	804893
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	78.8
127	9.5	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:27:52 AM



#48

Methyl methacrylate

Concen: 49.685 ug/l

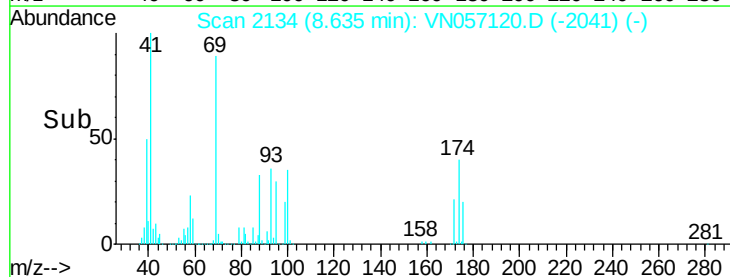
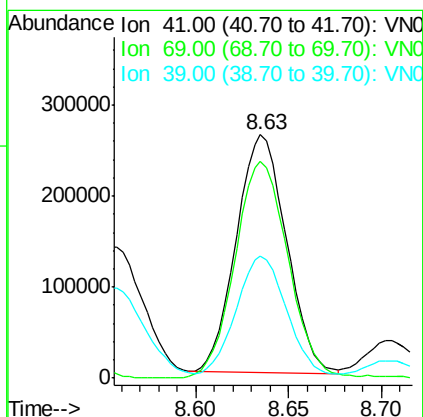
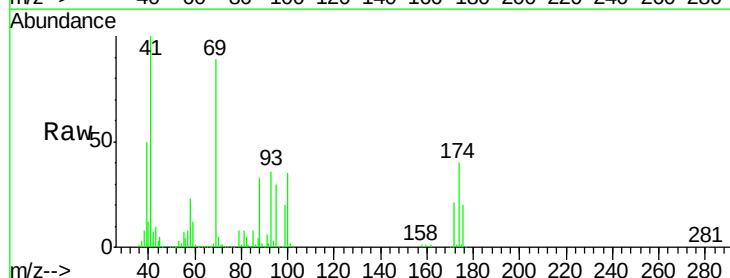
RT: 8.63 min Scan# 2134

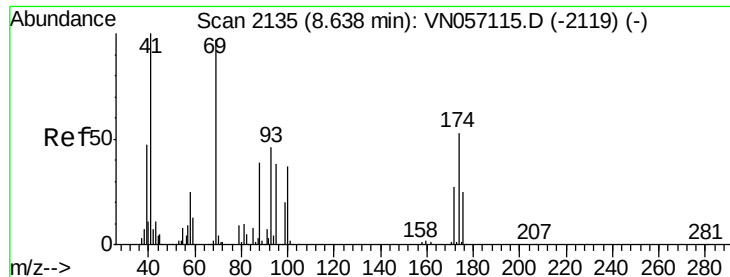
Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion:	41	Resp:	493723
Ion	Ratio	Lower	Upper
41	100		
69	96.4	77.5	116.3
39	49.1	39.8	59.6





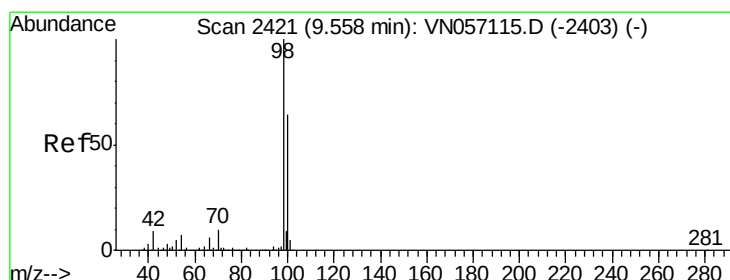
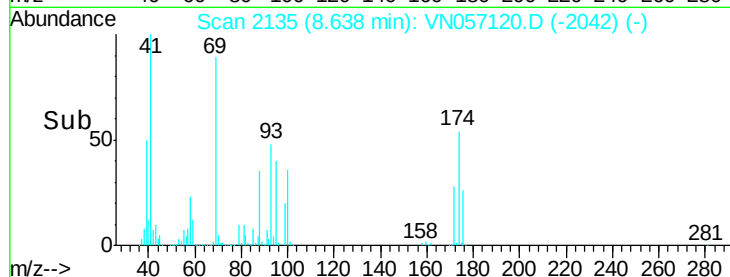
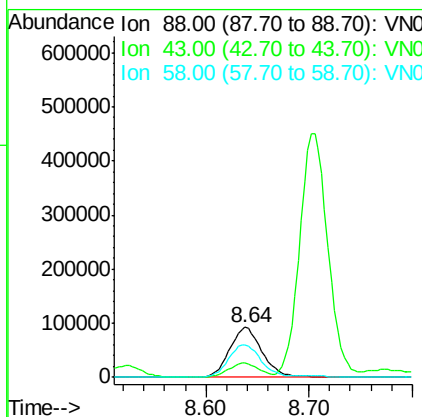
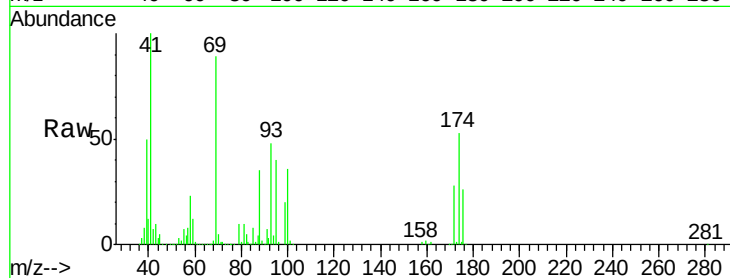
#49
1,4-Dioxane
Concen: 1007.433 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.0	21.7	32.5
58	65.4	51.1	76.7

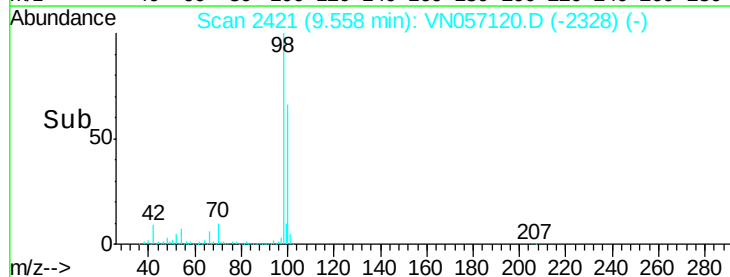
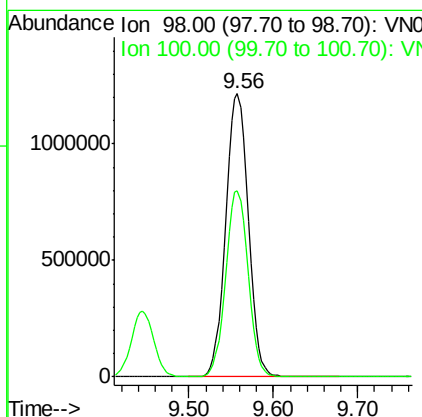
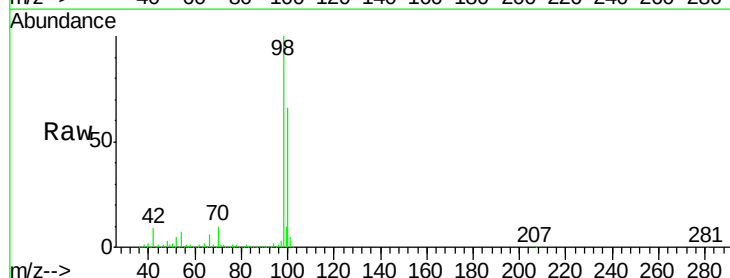
Manual Integrations
APPROVED

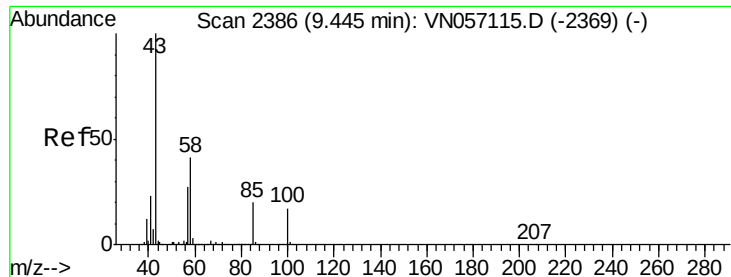
MMDadoda
8/9/2019 9:27:52 AM



#50
Toluene-d8
Concen: 51.913 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.2	76.8





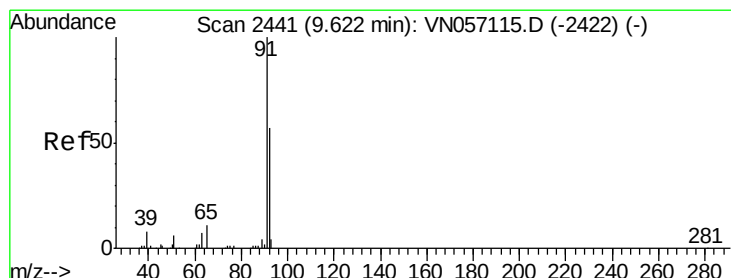
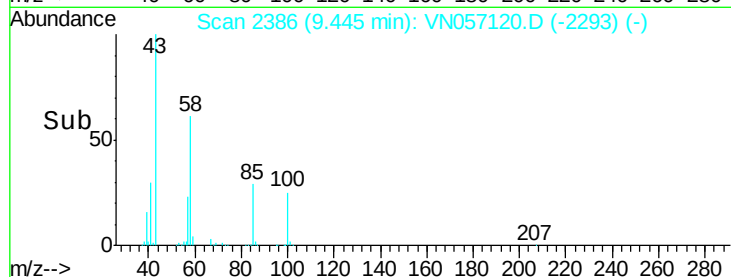
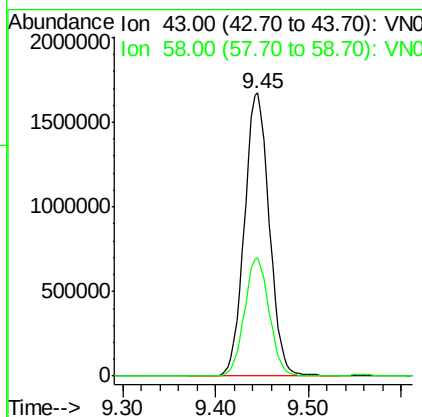
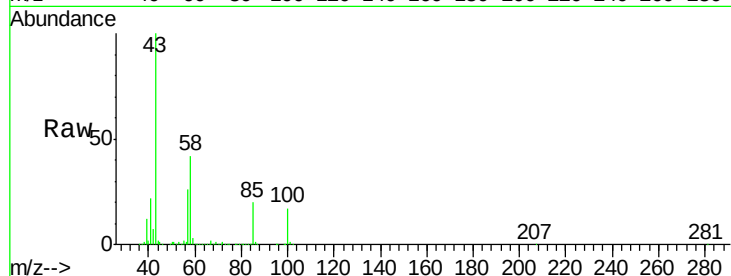
#51
 4-Methyl-2-Pentanone
 Concen: 253.101 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3104198
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.2 49.8

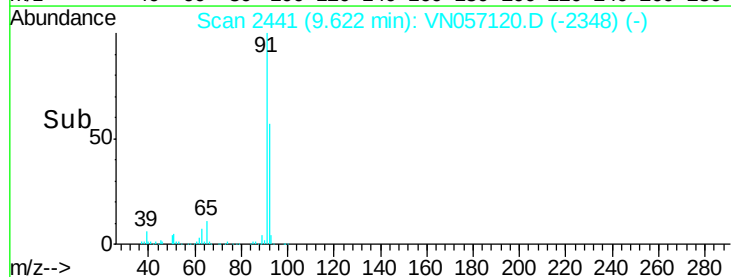
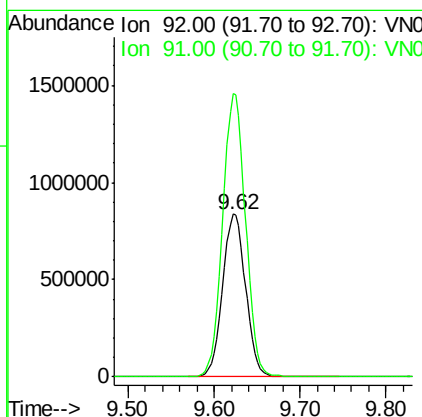
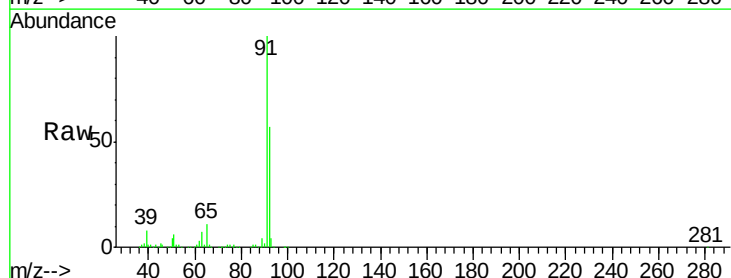
Manual Integrations
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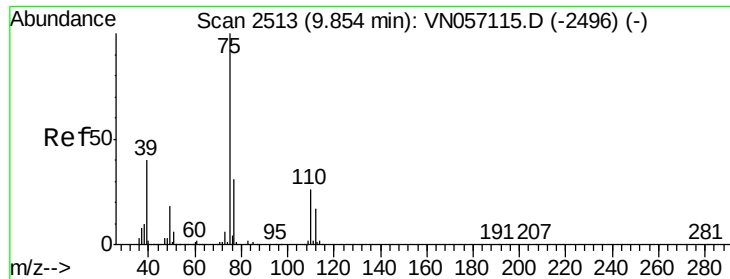
MMDadoda
 8/9/2019 9:27:52 AM



#52
 Toluene
 Concen: 52.864 ug/l
 RT: 9.62 min Scan# 2441
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Tgt Ion: 92 Resp: 1556136
 Ion Ratio Lower Upper
 92 100
 91 173.2 139.8 209.8





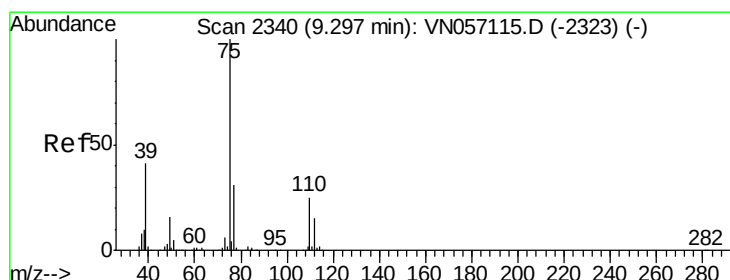
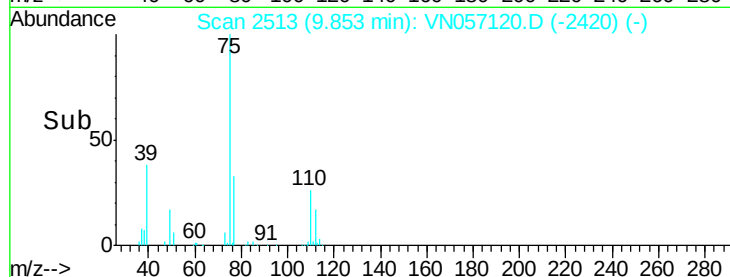
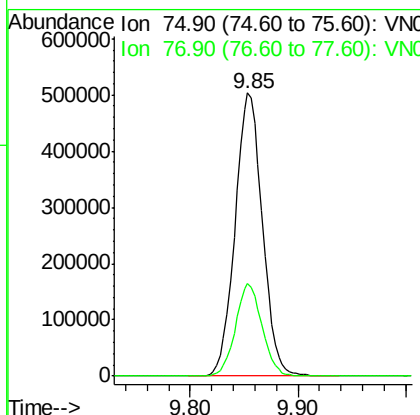
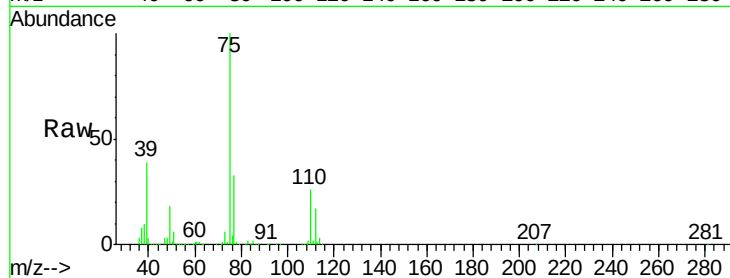
#53
t-1,3-Dichloropropene
Concen: 55.959 ug/l
RT: 9.85 min Scan# 2513
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.8	37.2

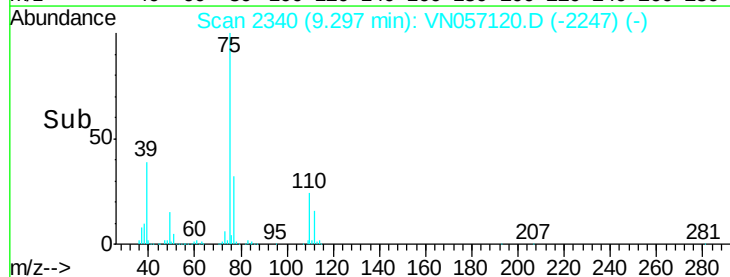
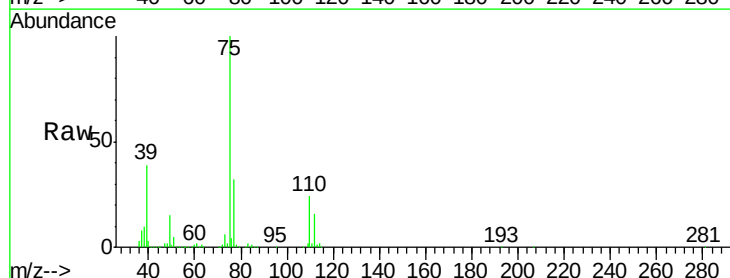
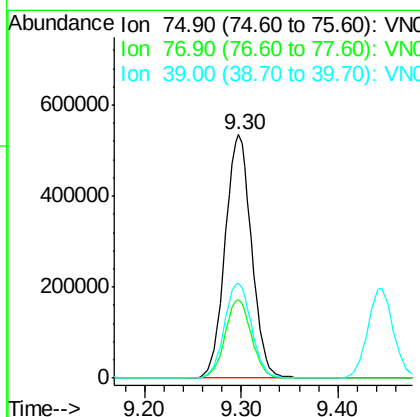
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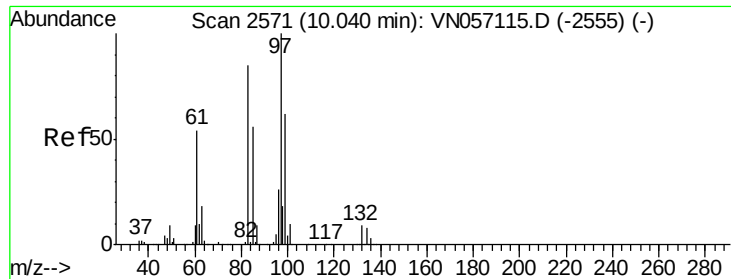
MMDadoda
8/9/2019 9:27:52 AM



#54
cis-1,3-Dichloropropene
Concen: 55.423 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	38.9	32.5	48.7





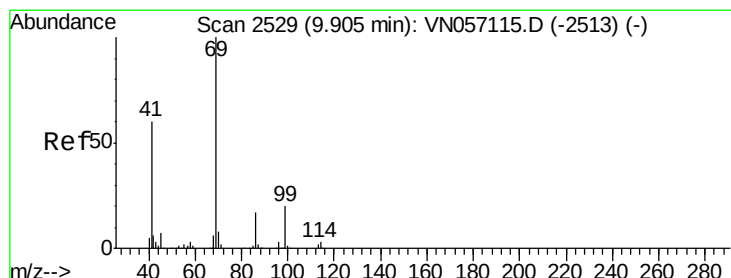
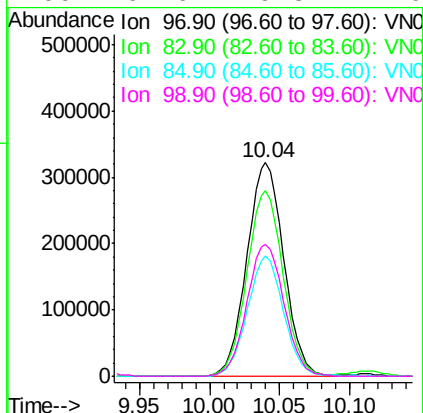
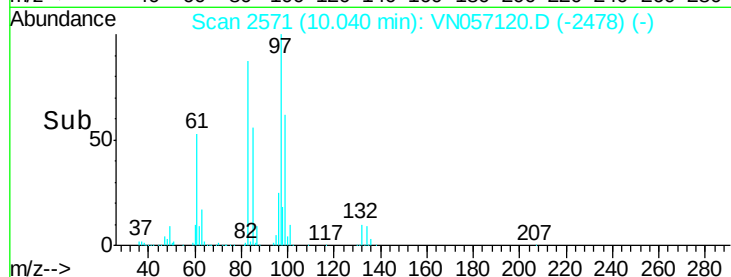
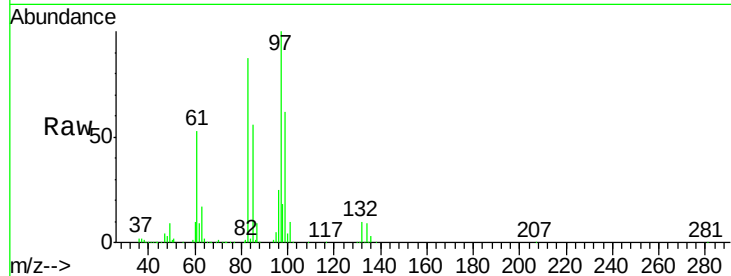
#55
 1,1,2-Trichloroethane
 Concen: 50.925 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	589494
Ion	Ratio	Lower	Upper
97	100		
83	86.7	67.8	101.8
85	56.2	44.4	66.6
99	61.6	49.8	74.6

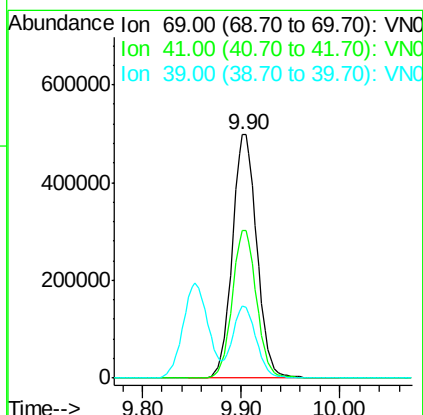
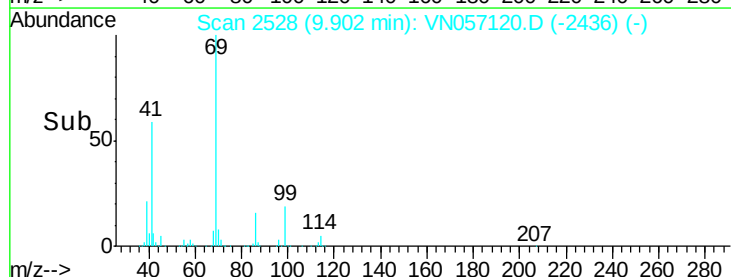
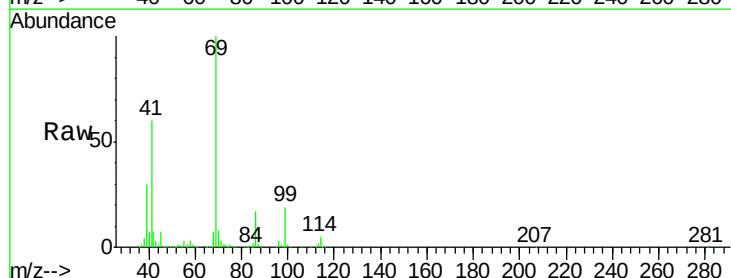
Manual Integrations
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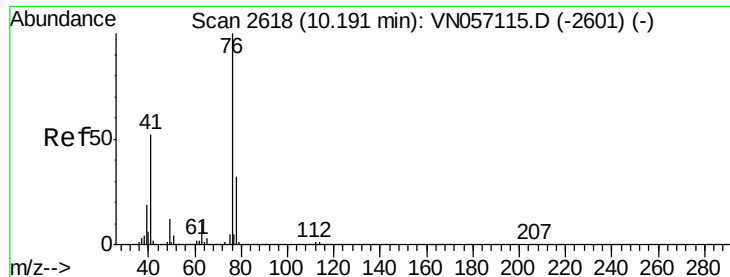
MMDadoda
 8/9/2019 9:27:52 AM



#56
 Ethyl methacrylate
 Concen: 53.115 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Tgt Ion:	69	Resp:	860882
Ion	Ratio	Lower	Upper
69	100		
41	59.7	48.1	72.1
39	29.0	23.6	35.4





#57

1,3-Dichloropropane

Concen: 50.817 ug/l

RT: 10.19 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 970069

Ion Ratio Lower Upper

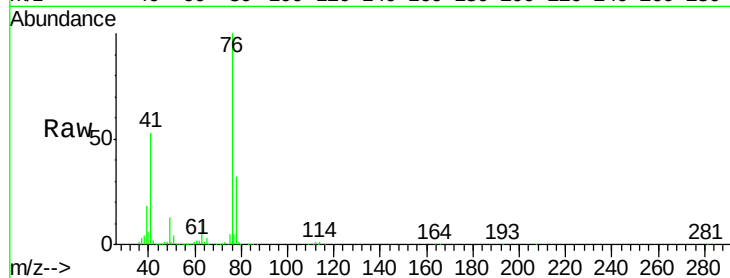
76 100

78 32.6 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

8/9/2019 9:27:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VN057115.D (-2601) (-)

Ion 77.90 (77.60 to 78.60): VN057115.D (-2601) (-)

10.19

600000

500000

400000

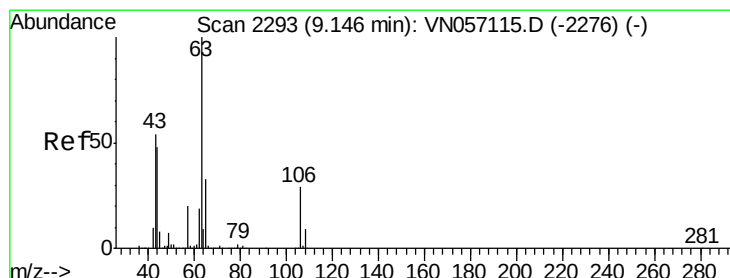
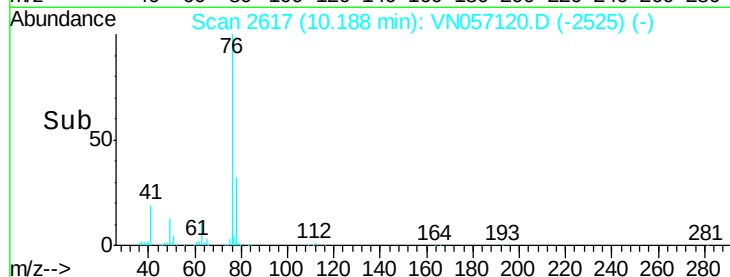
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 248.438 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VN057120.D

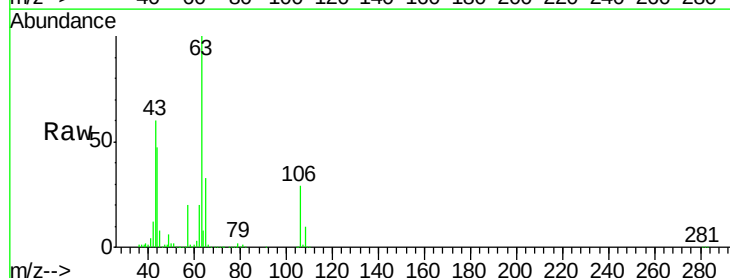
Acq: 8 Aug 2019 10:03

Tgt Ion: 63 Resp: 1605022

Ion Ratio Lower Upper

63 100

106 28.9 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VN057115.D (-2276) (-)

Ion 105.90 (105.60 to 106.60): VN057115.D (-2276) (-)

9.15

1000000

800000

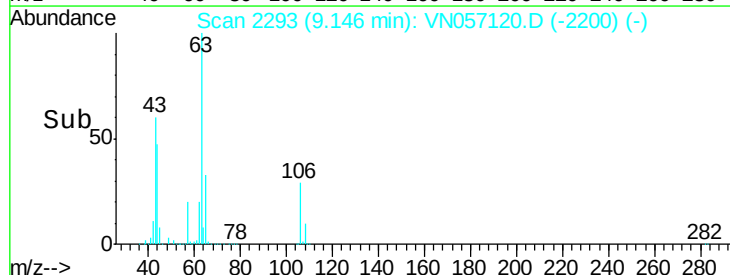
600000

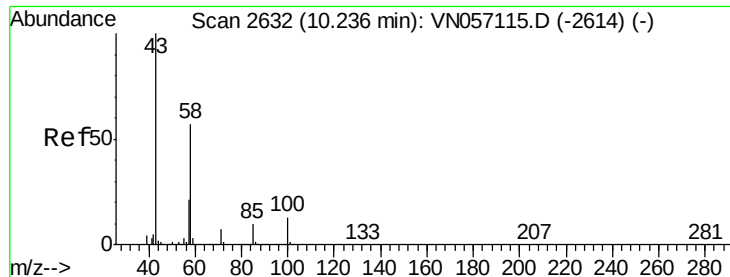
400000

200000

0

Time-->





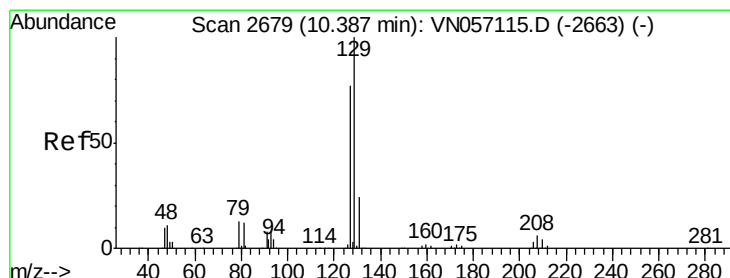
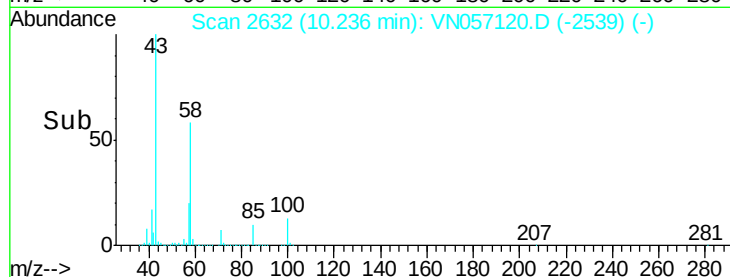
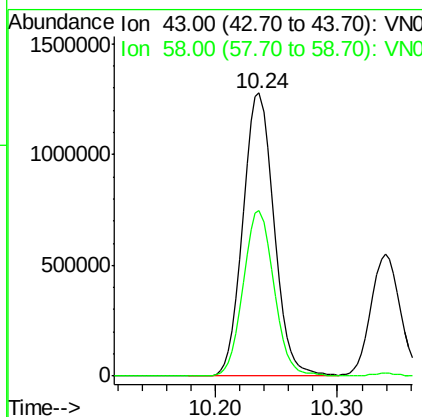
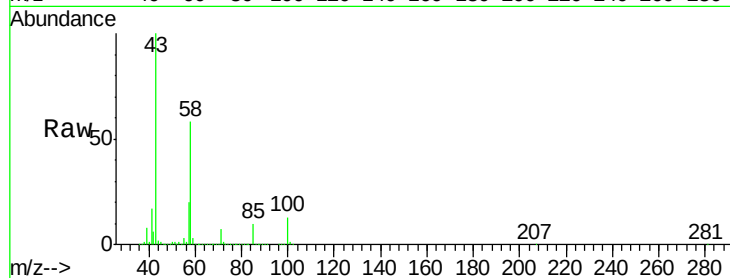
#59
2-Hexanone
Concen: 269.964 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2240867
Ion Ratio Lower Upper
43 100
58 57.9 29.2 87.6

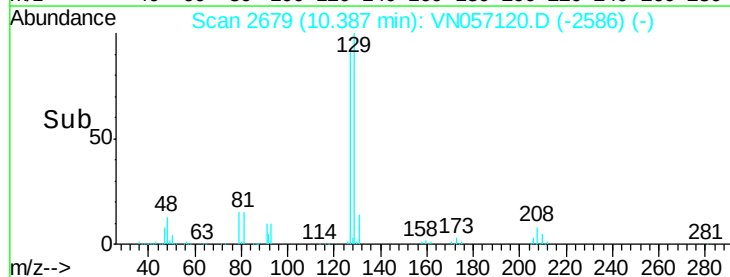
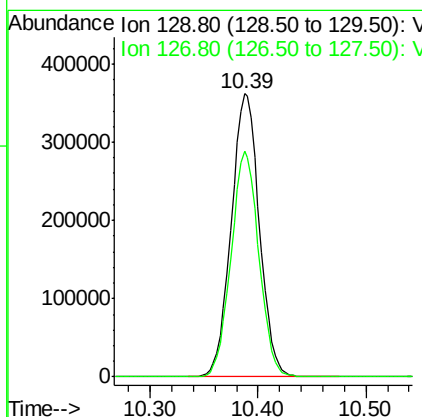
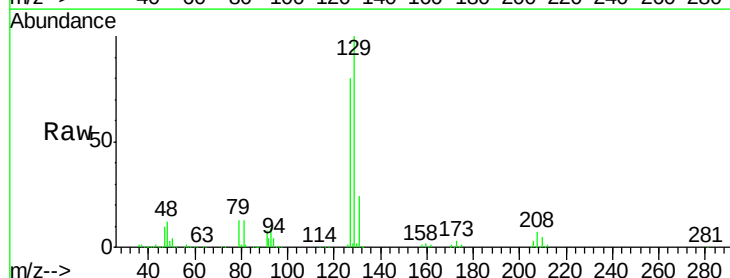
Manual Integrations
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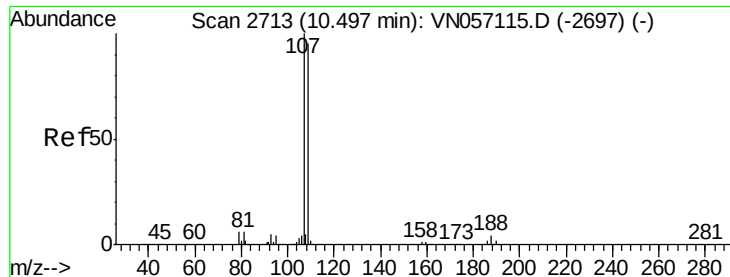
MMDadoda
8/9/2019 9:27:52 AM



#60
Dibromochloromethane
Concen: 54.140 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion: 129 Resp: 658191
Ion Ratio Lower Upper
129 100
127 78.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.561 ug/l

RT: 10.49 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 615898

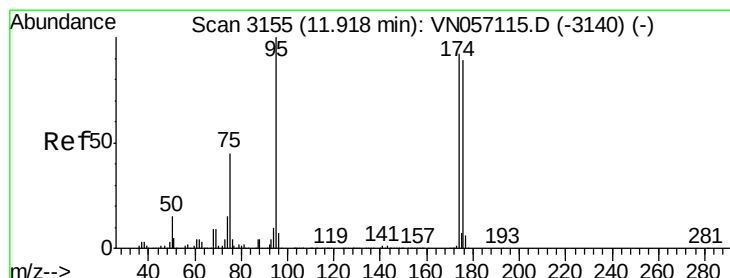
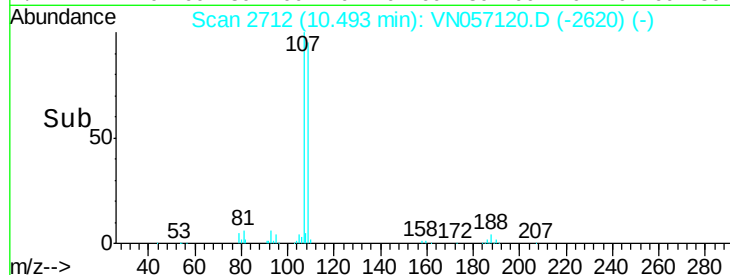
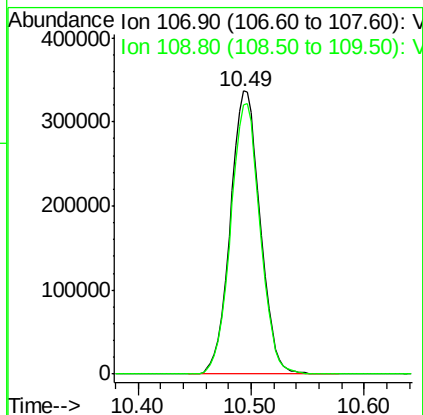
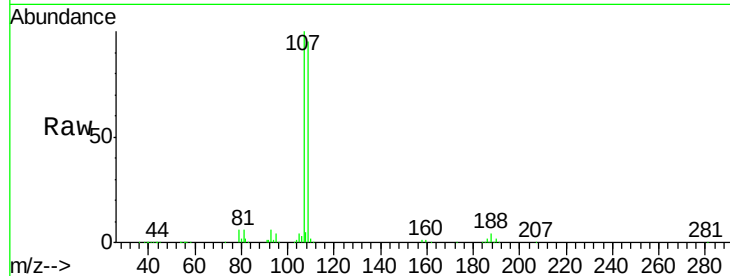
Ion Ratio Lower Upper

107 100

109 95.1 75.6 113.4

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 53.500 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

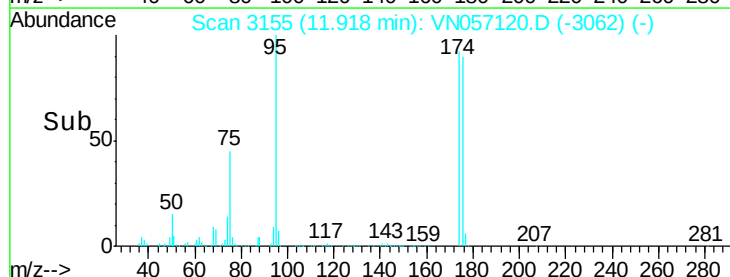
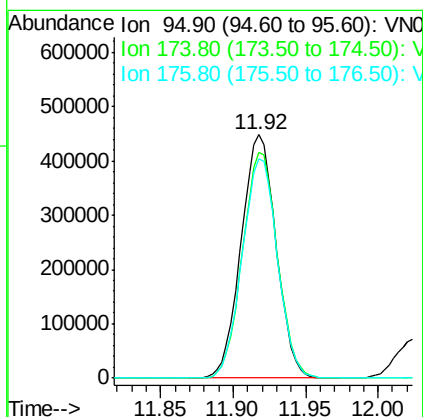
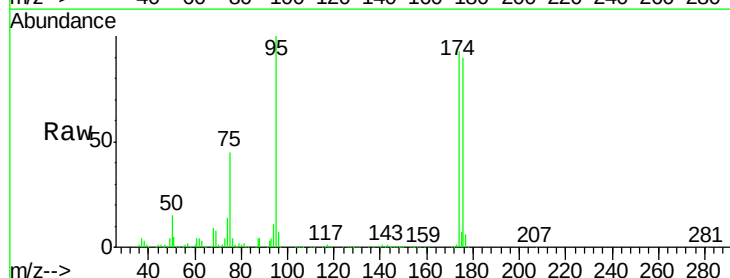
Tgt Ion: 95 Resp: 752959

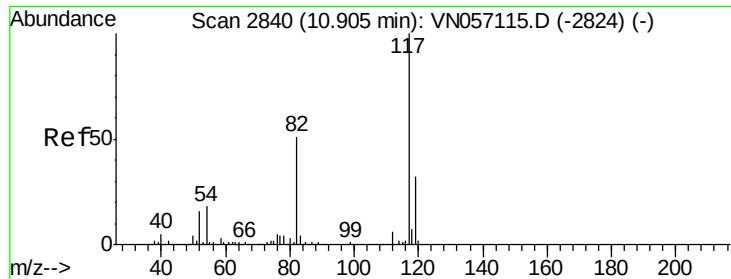
Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.0

176 90.8 0.0 181.2





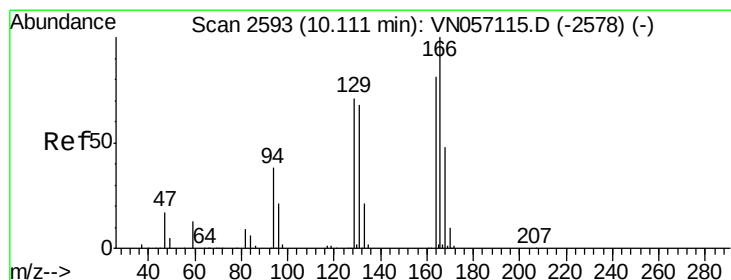
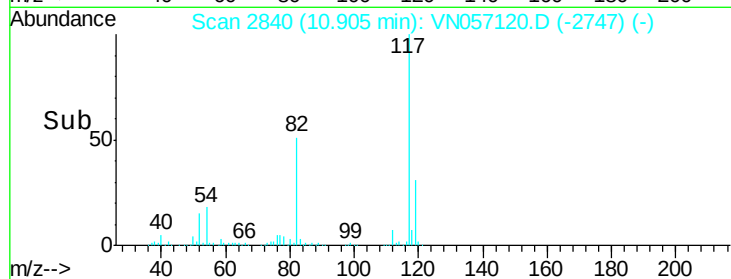
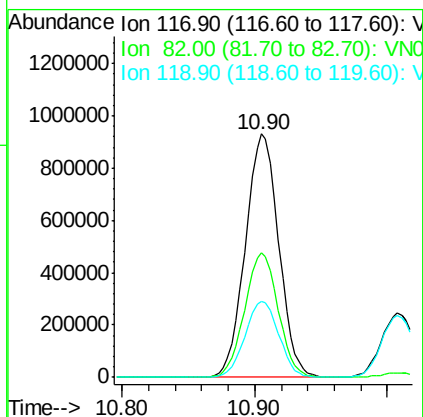
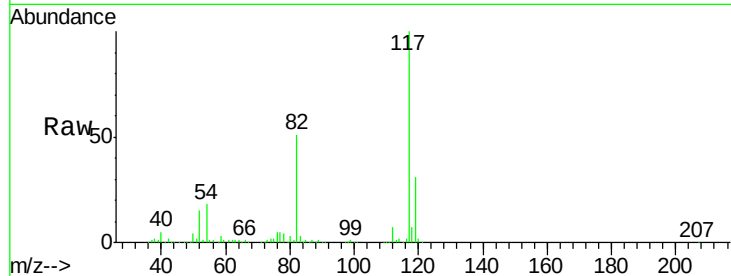
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.8	61.2
119	31.4	25.7	38.5

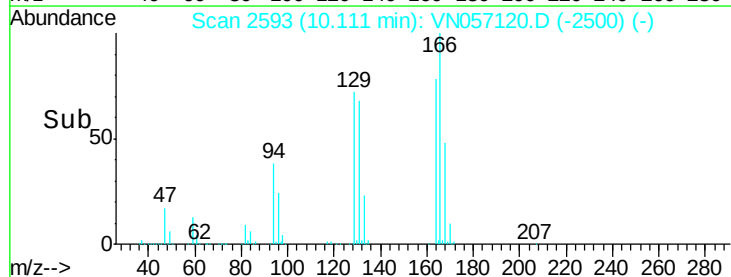
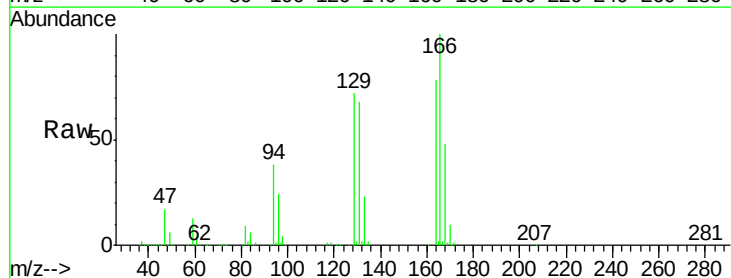
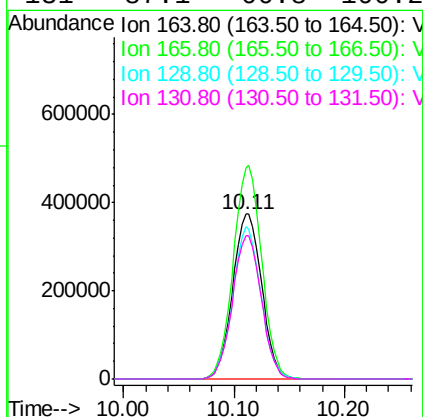
Manual Integrations
APPROVED

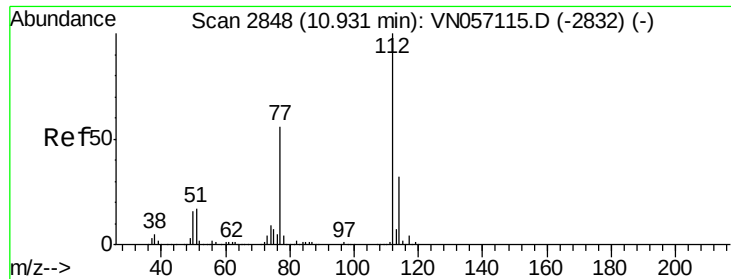
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#64
Tetrachloroethene
Concen: 50.297 ug/l
RT: 10.11 min Scan# 2593
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	98.3	147.5
129	92.3	69.8	104.6
131	87.1	66.8	100.2





#65

Chlorobenzene

Concen: 51.024 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 1671897

Ion Ratio Lower Upper

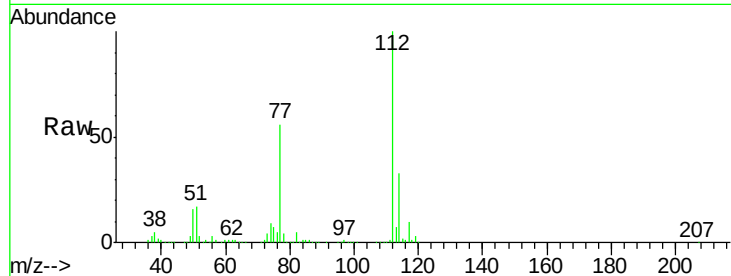
112 100

114 32.7 25.4 38.2

Manual Integrations
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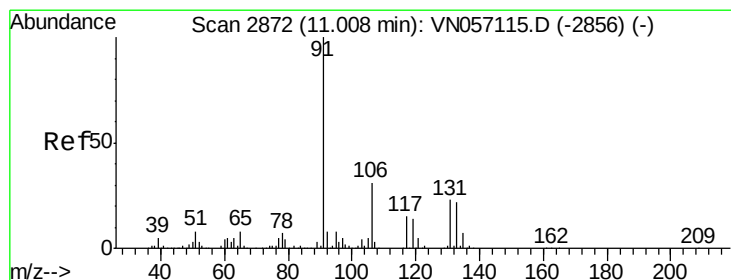
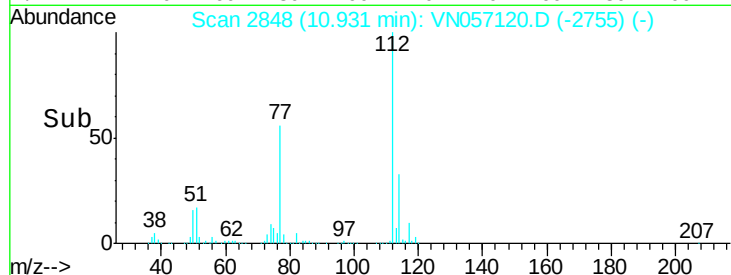
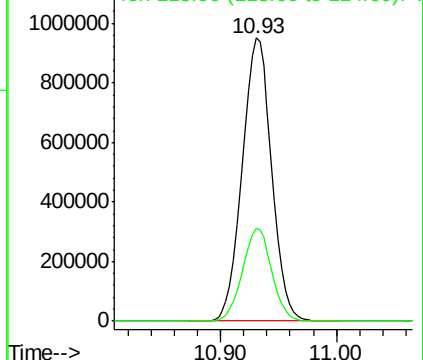
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.165 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

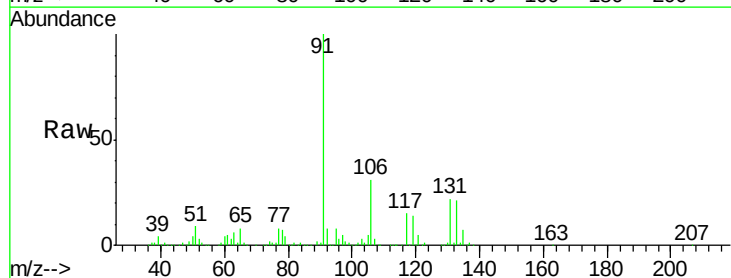
Tgt Ion:131 Resp: 639030

Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.8

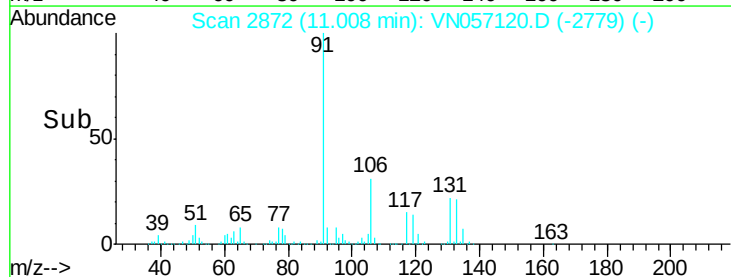
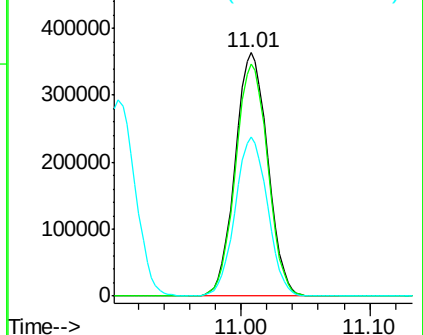
119 64.9 32.6 97.7

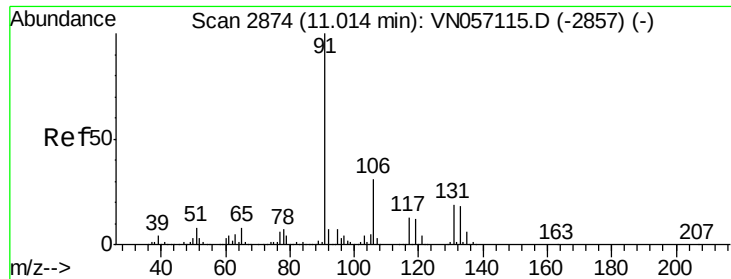


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





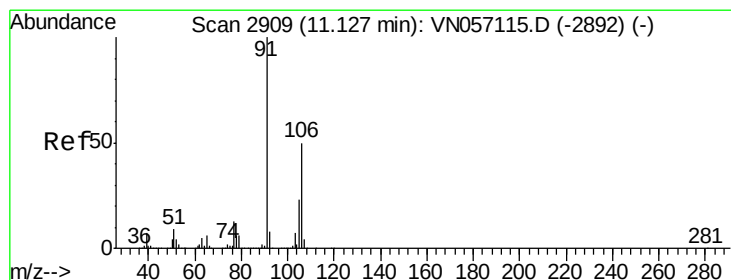
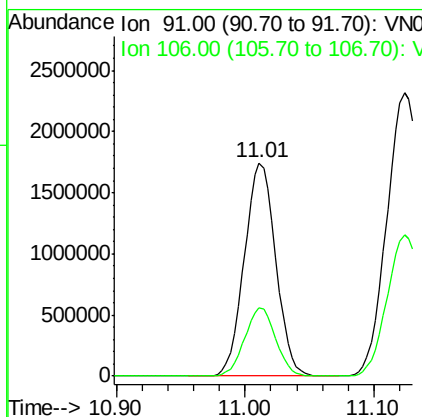
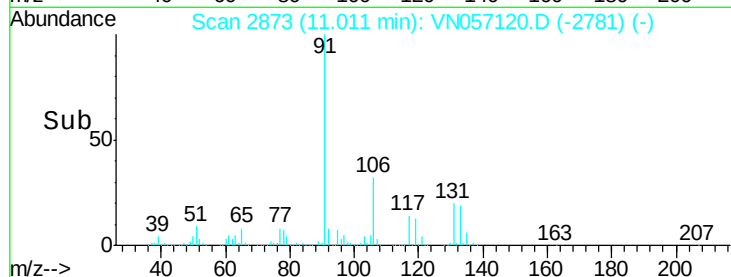
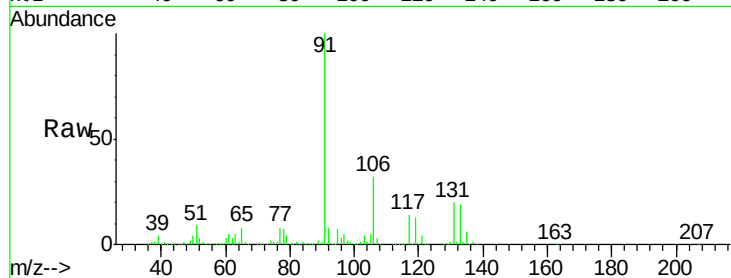
#67
Ethyl Benzene
Concen: 52.462 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2958606
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4

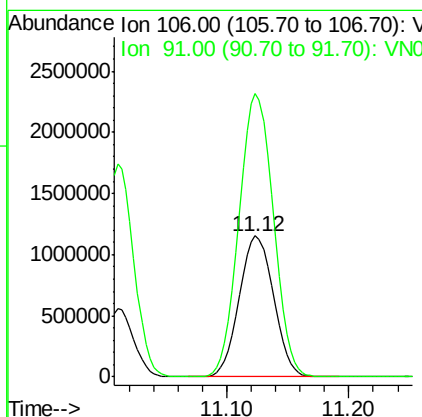
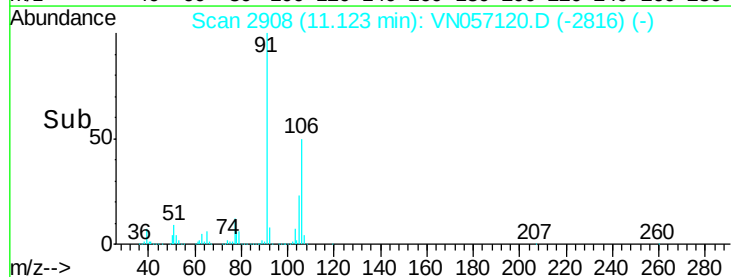
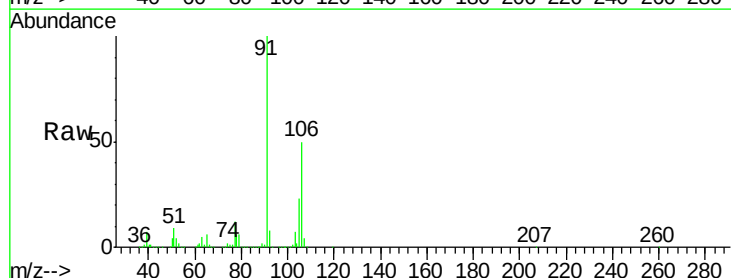
Manual Integrations
APPROVED

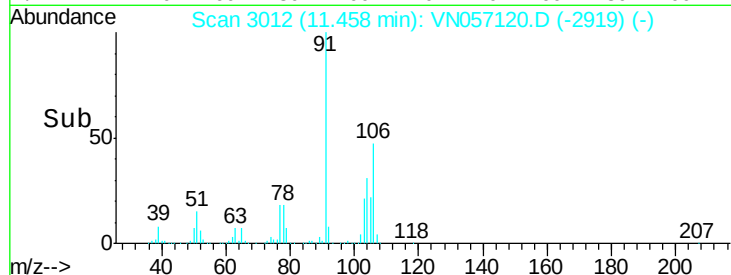
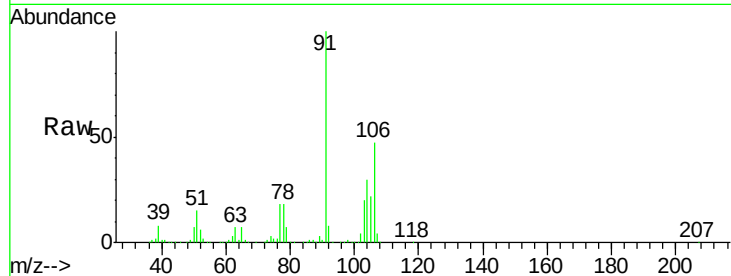
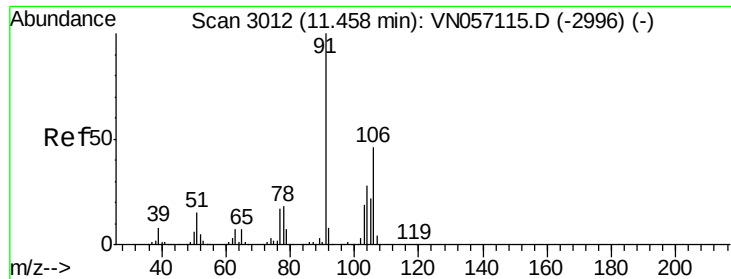
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#68
m/p-Xylenes
Concen: 107.893 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion: 106 Resp: 2241614
Ion Ratio Lower Upper
106 100
91 201.3 159.8 239.8





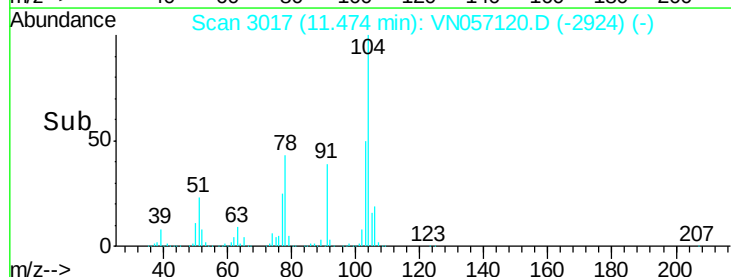
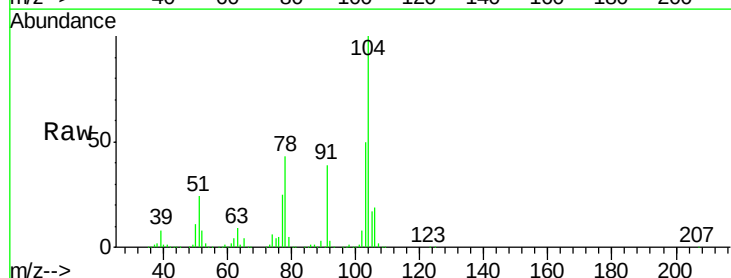
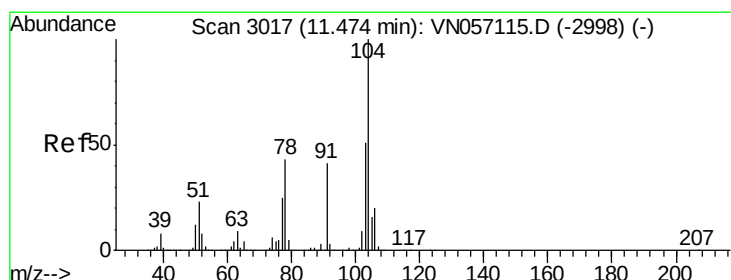
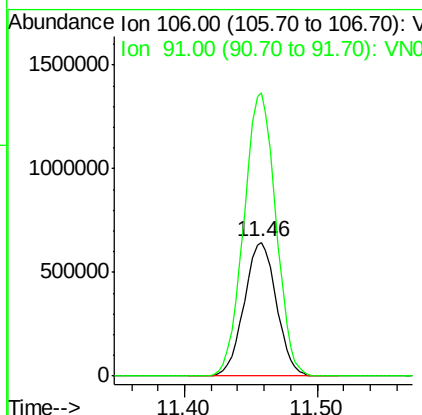
#69
o-Xylene
Concen: 52.653 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tot Ion:106 Resp: 1088722
Ion Ratio Lower Upper
106 100
91 211.1 106.8 320.5

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

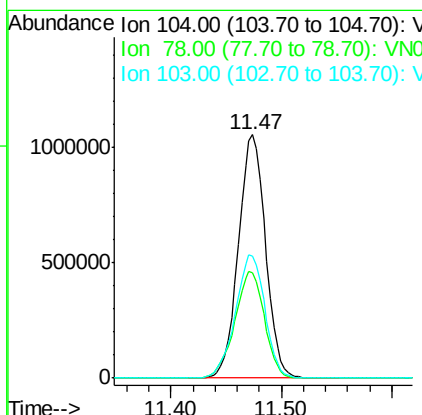
Manual Integrations
APPROVED

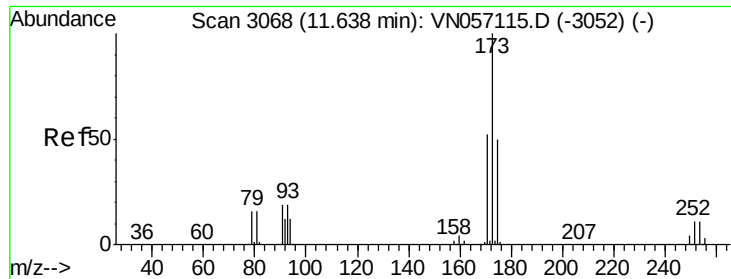
MMDadoda
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#70
Styrene
Concen: 55.567 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion:104 Resp: 1794636
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.3 44.6 66.8





#71

Bromoform

Concen: 54.006 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

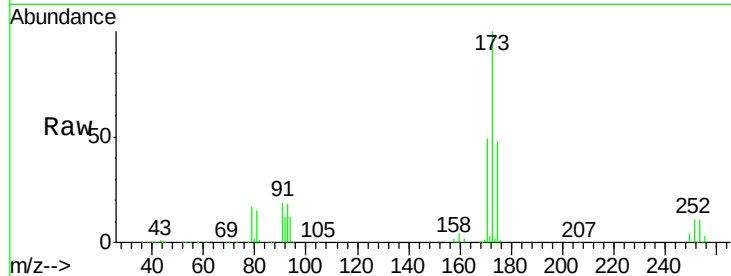
ClientSampleId :

VSTDCCC050

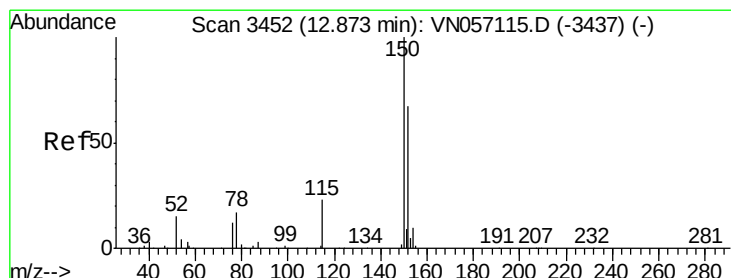
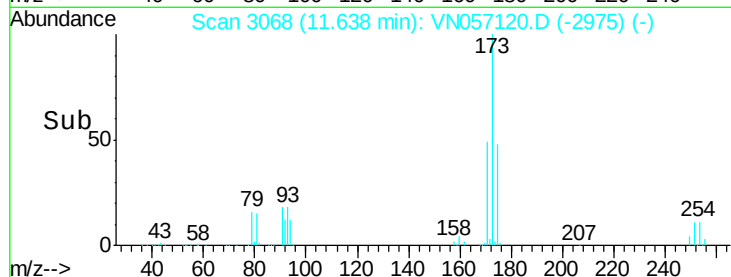
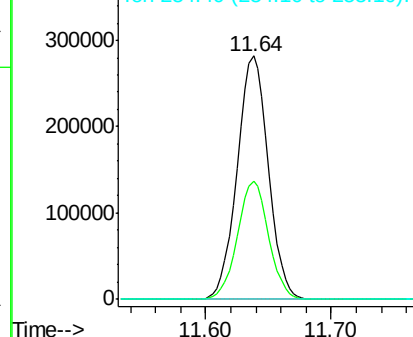
Tot Ion:	173	Resp:	484625
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

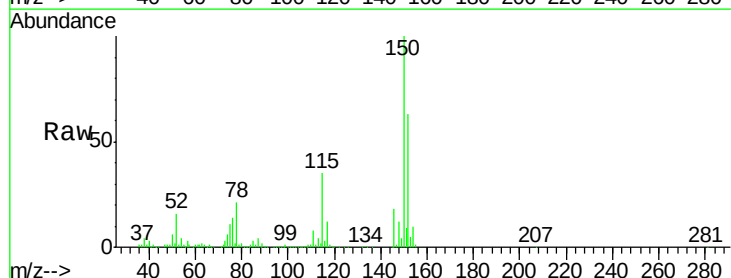
RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

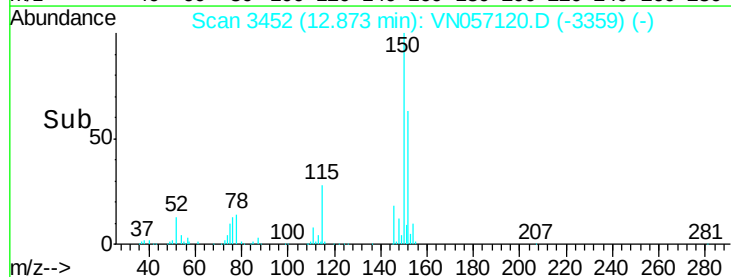
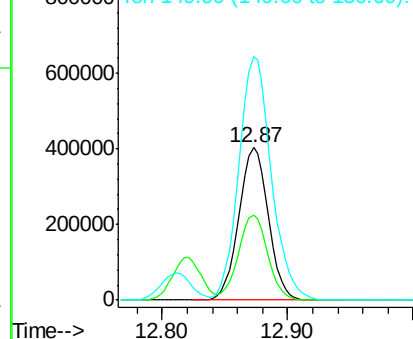
Lab File: VN057120.D

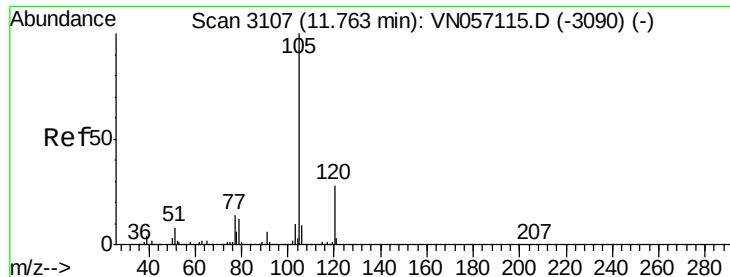
Acq: 8 Aug 2019 10:03

Tgt Ion:	152	Resp:	656568
Ion Ratio	Lower	Upper	
152	100		
115	55.7	27.5	82.5
150	176.5	0.0	341.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.652 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2960147

Ion Ratio Lower Upper

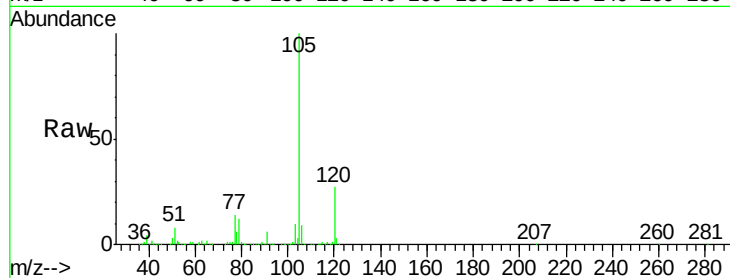
105 100

120 27.0 13.7 41.0

Manual Integrations
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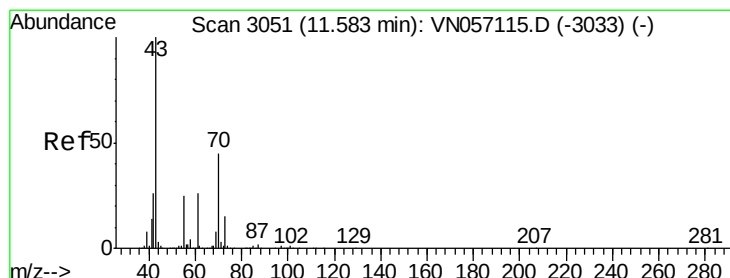
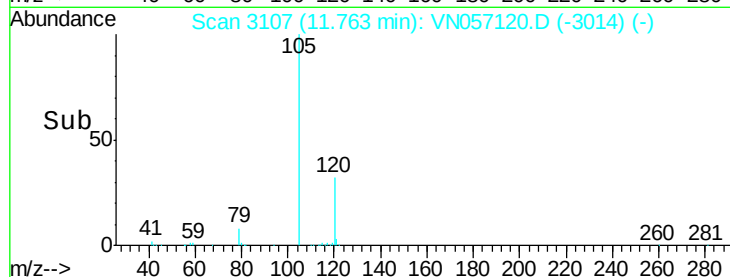
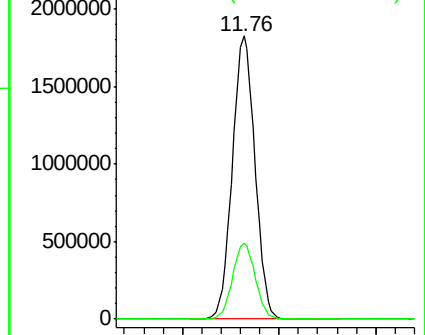
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.742 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion: 43 Resp: 827607

Ion Ratio Lower Upper

43 100

70 45.8 36.8 55.2

55 25.0 20.6 31.0

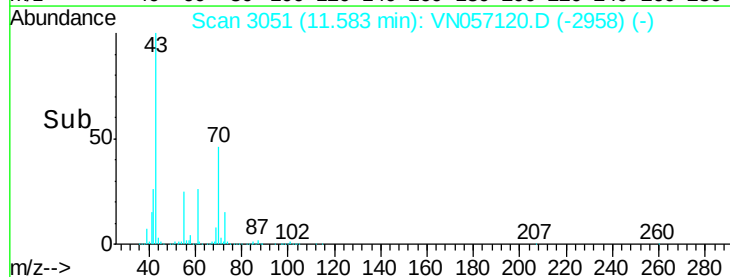
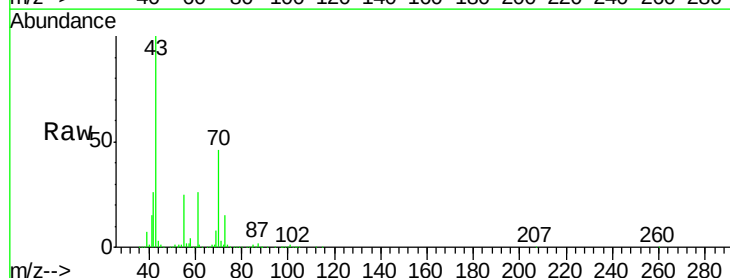
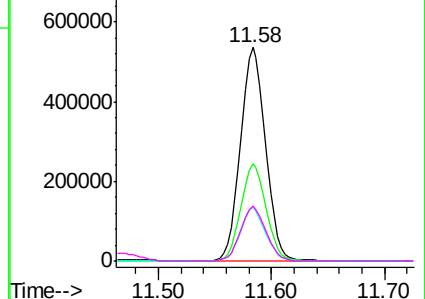
61 26.0 21.0 31.4

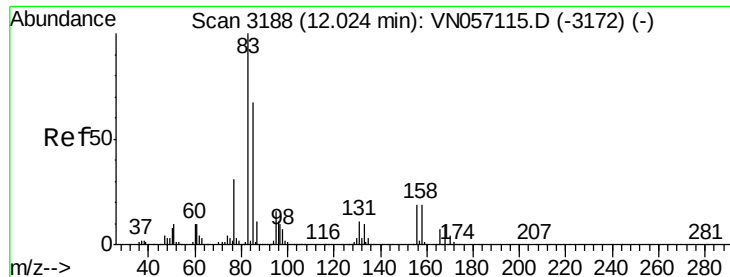
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.536 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

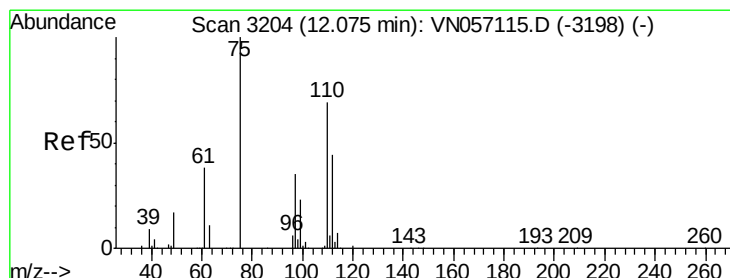
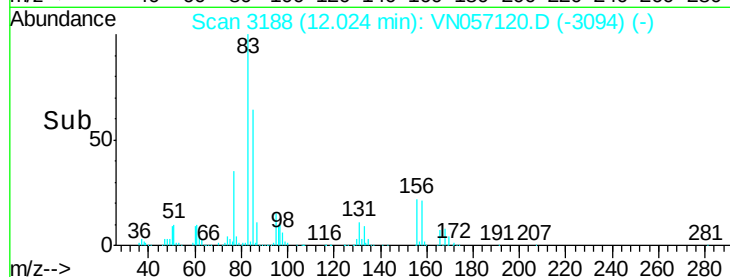
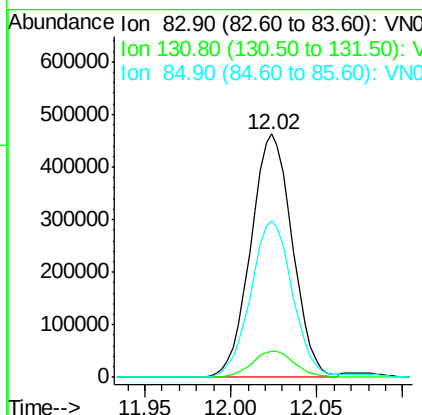
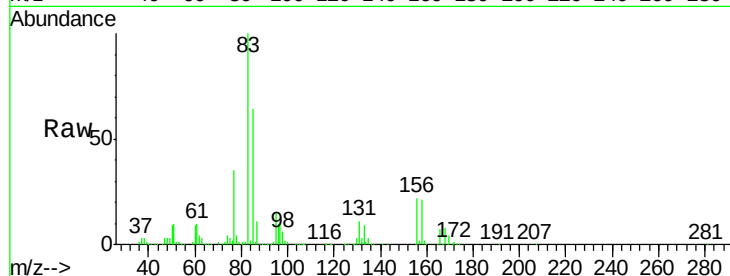
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	775360
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	64.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.155 ug/l m

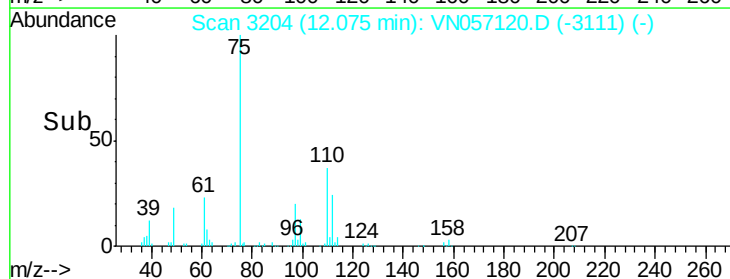
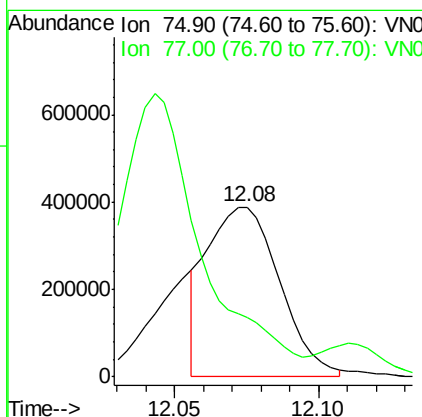
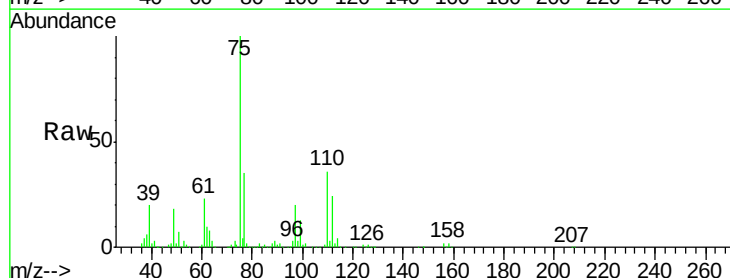
RT: 12.08 min Scan# 3204

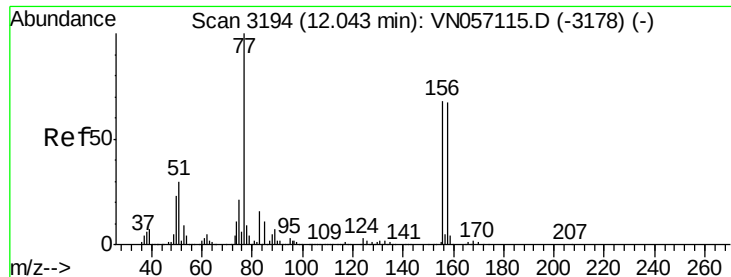
Delta R.T. 0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion:	75	Resp:	678750
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.465 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

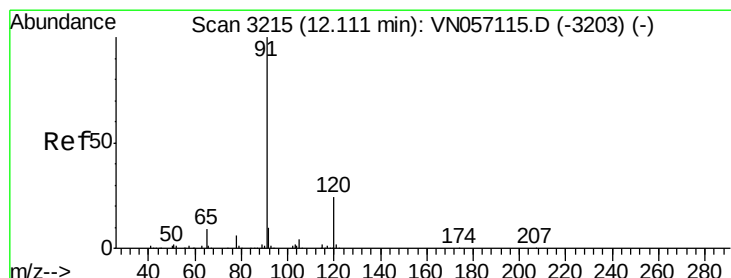
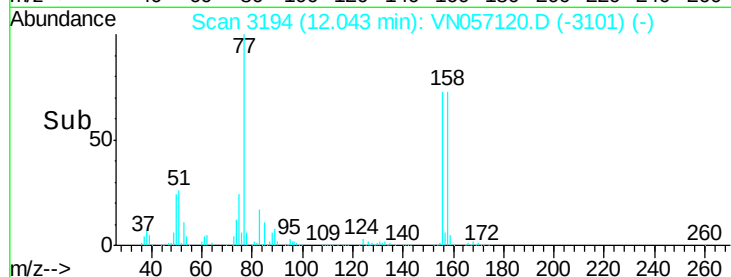
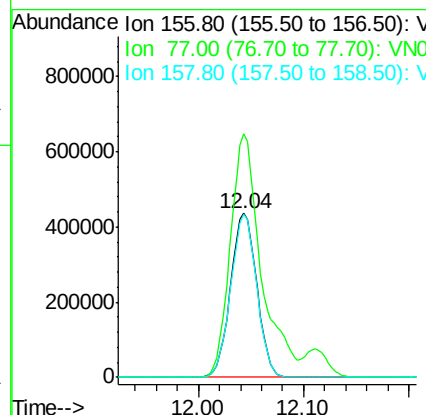
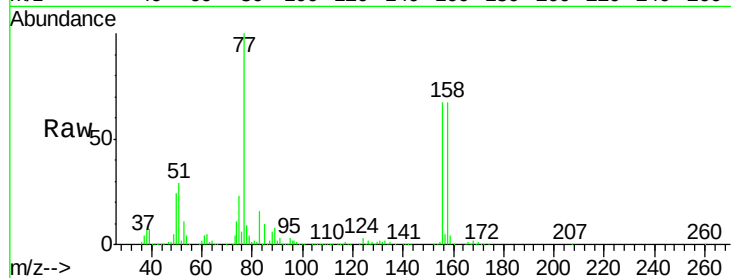
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	749053
Ion Ratio	Lower	Upper	
156	100		
77	175.2	88.7	266.1
158	98.2	49.3	147.8

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#78

n-propylbenzene

Concen: 50.593 ug/l

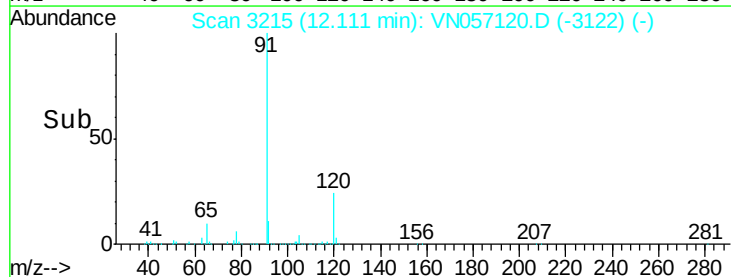
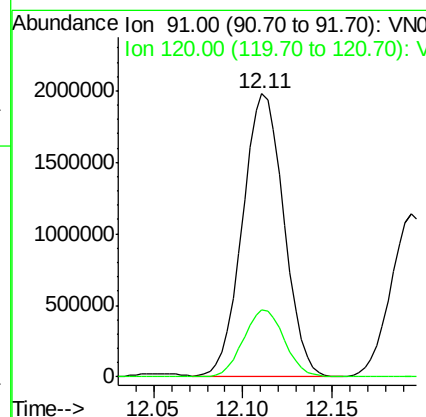
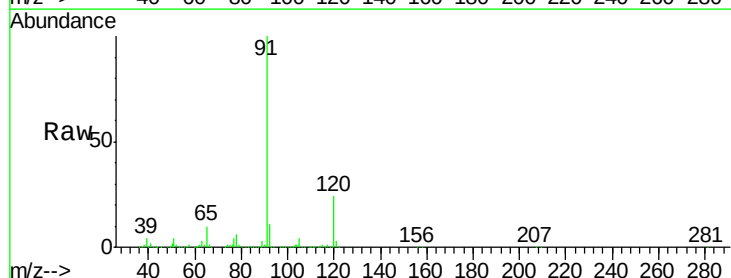
RT: 12.11 min Scan# 3215

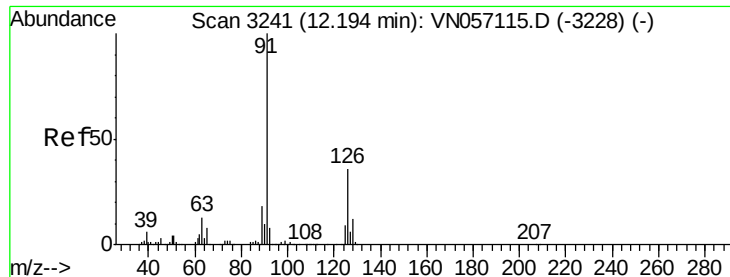
Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion:	91	Resp:	3186773
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.0	36.0





#79

2-Chlorotoluene

Concen: 54.186 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1895973

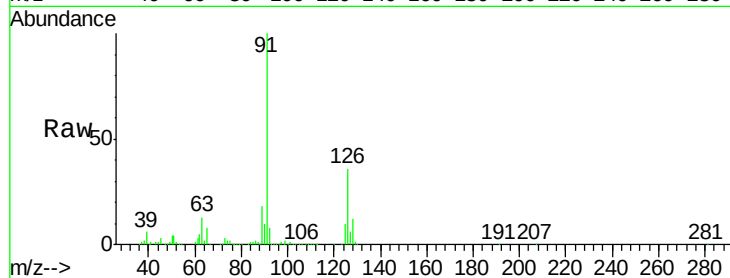
Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3228) (-)

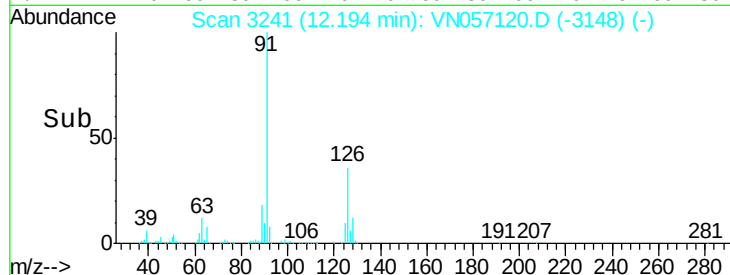
1500000

1000000

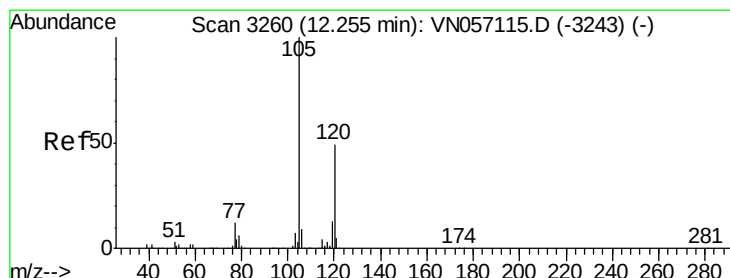
500000

0

12.15 12.20 12.25



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.981 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN057120.D

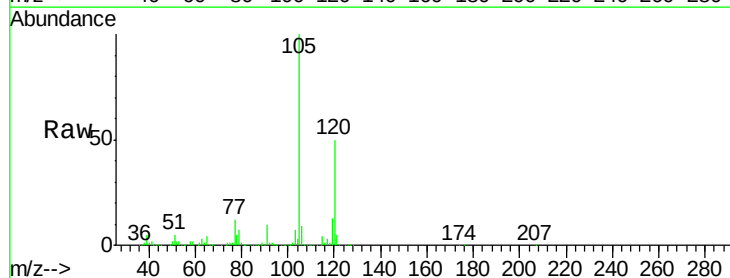
Acq: 8 Aug 2019 10:03

Tgt Ion: 105 Resp: 2432102

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057115.D (-3243) (-)

Ion 120.00 (119.70 to 120.70): VN057115.D (-3243) (-)

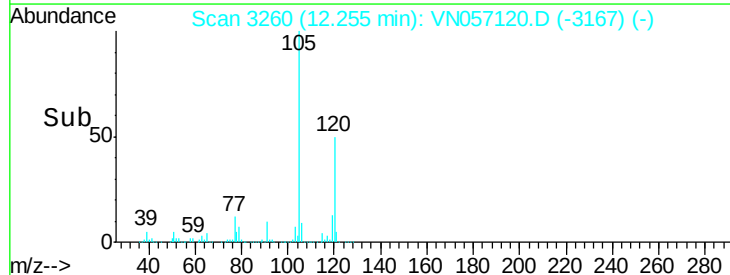
1500000

1000000

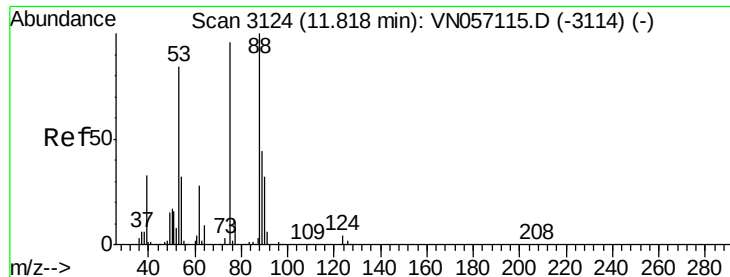
500000

0

12.20 12.30



Time-->



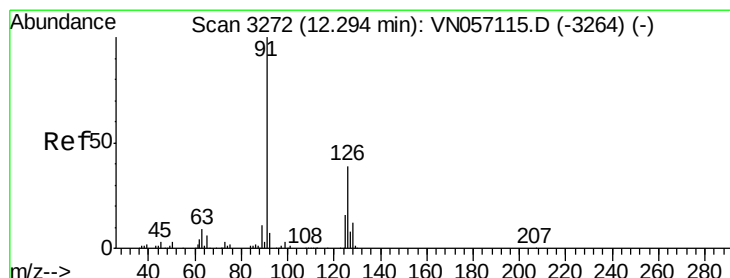
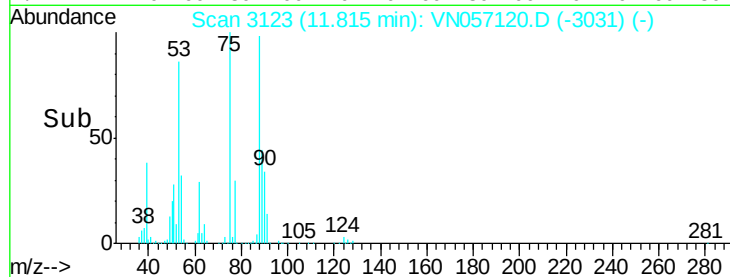
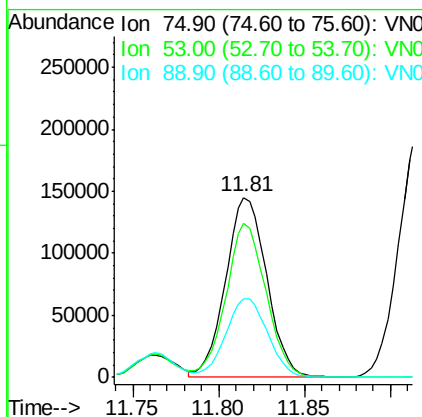
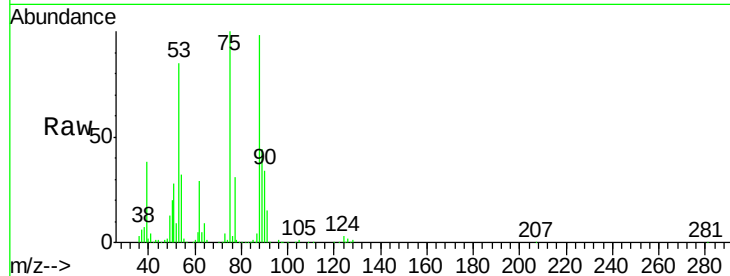
#81
trans-1,4-Dichloro-2-butene
Concen: 54.291 ug/l
RT: 11.81 min Scan# 3123
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	70.6	106.0
89	44.6	36.4	54.6

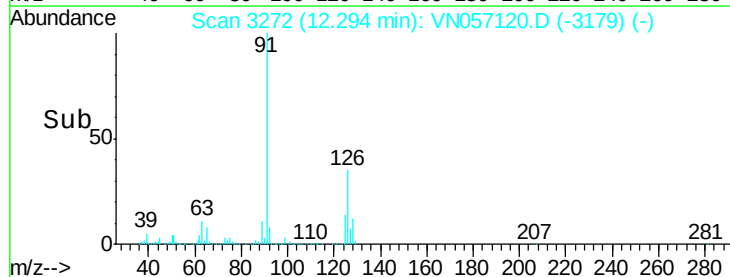
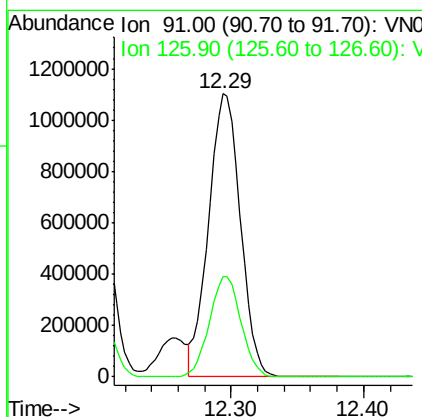
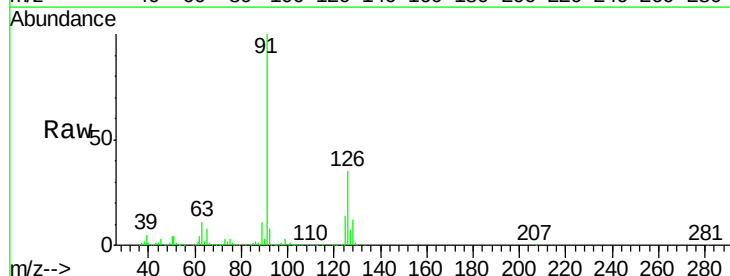
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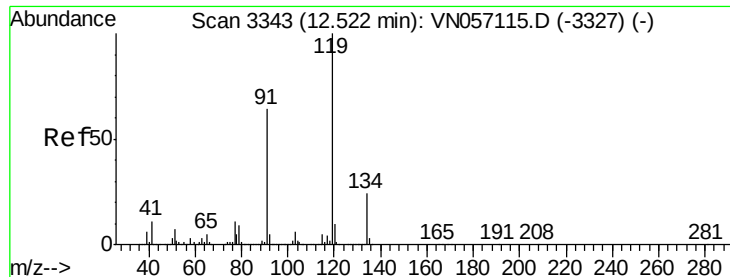
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#82
4-Chlorotoluene
Concen: 50.175 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.7





#83

tert-Butylbenzene

Concen: 53.293 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2124006

Ion Ratio Lower Upper

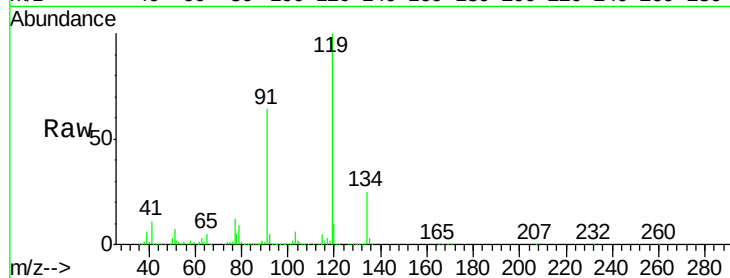
119 100

91 62.4 31.4 94.2

134 26.5 13.2 39.6

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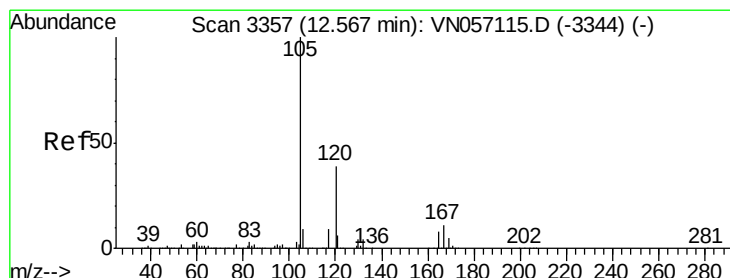
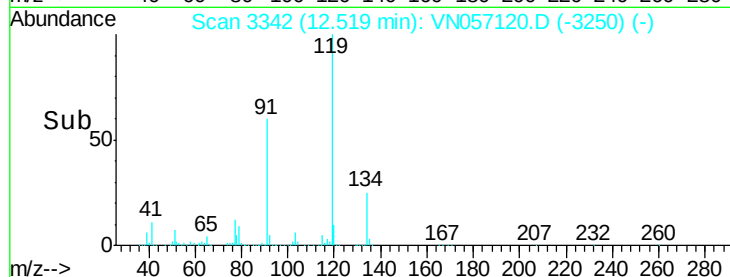
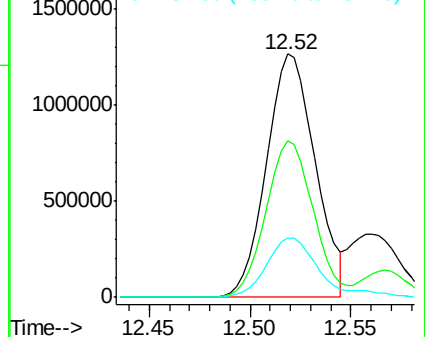
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.860 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN057120.D

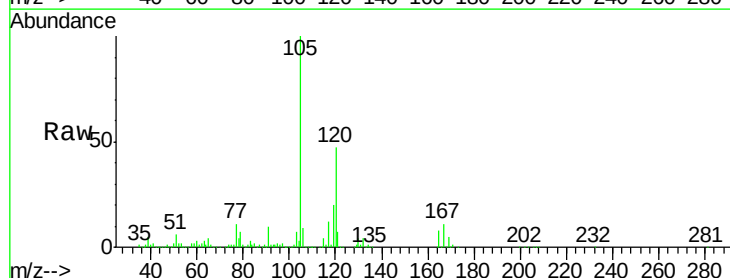
Acq: 8 Aug 2019 10:03

Tgt Ion:105 Resp: 2344886

Ion Ratio Lower Upper

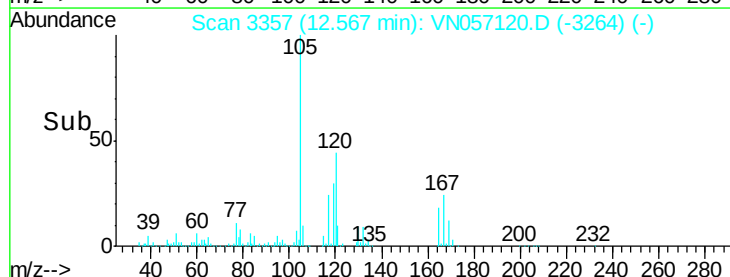
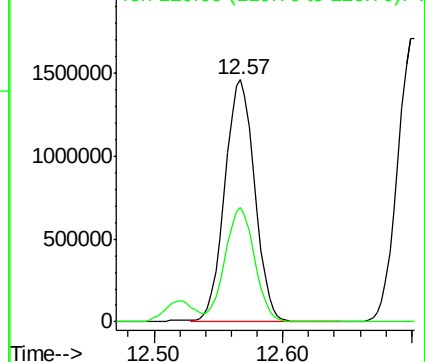
105 100

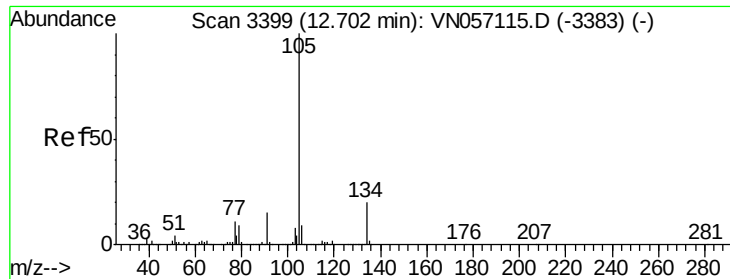
120 46.8 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.276 ug/l

RT: 12.70 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2761529

Ion Ratio Lower Upper

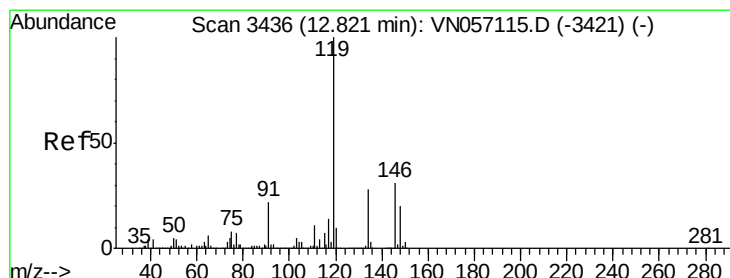
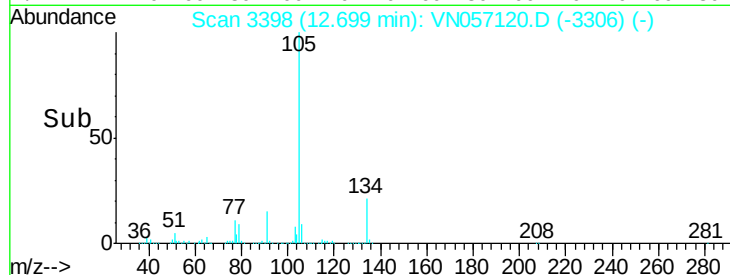
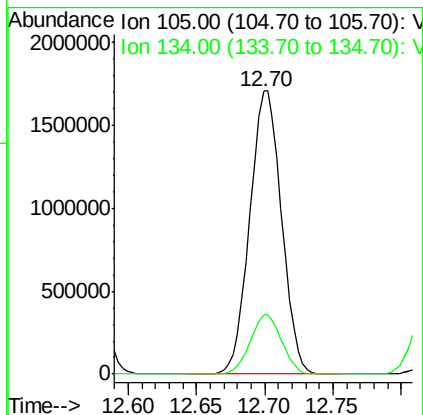
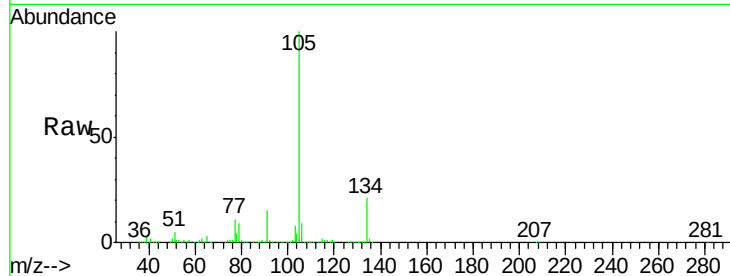
105 100

134 20.7 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 49.983 ug/l

RT: 12.82 min Scan# 3435

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

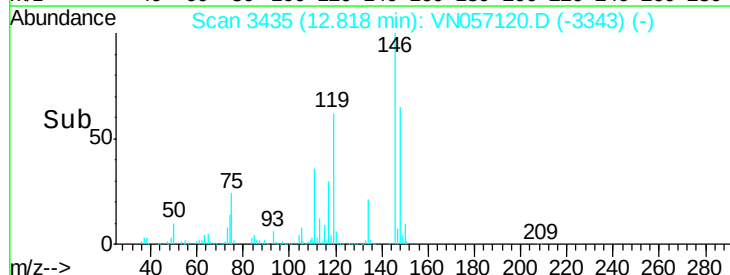
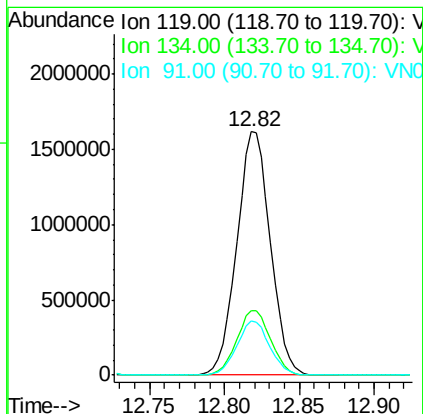
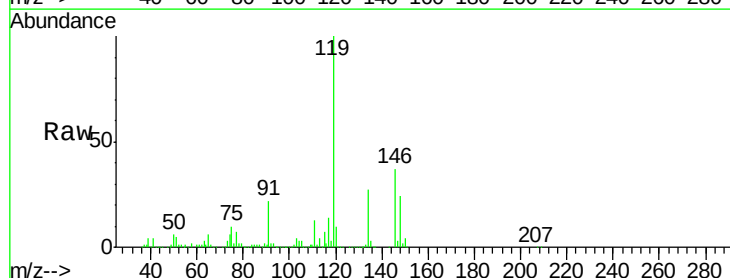
Tgt Ion:119 Resp: 2508853

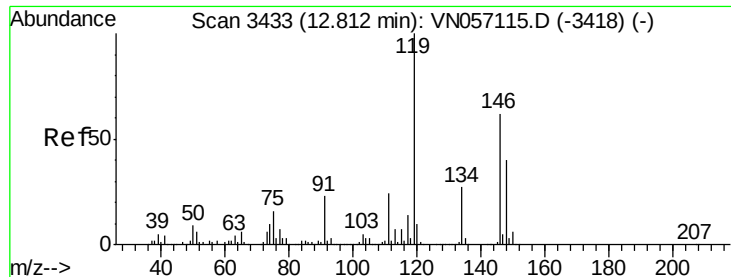
Ion Ratio Lower Upper

119 100

134 26.9 13.8 41.3

91 21.8 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 52.818 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057120.D

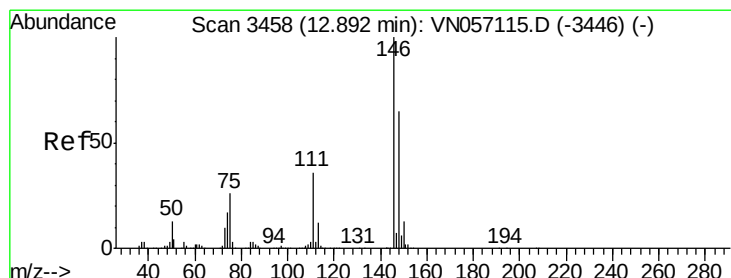
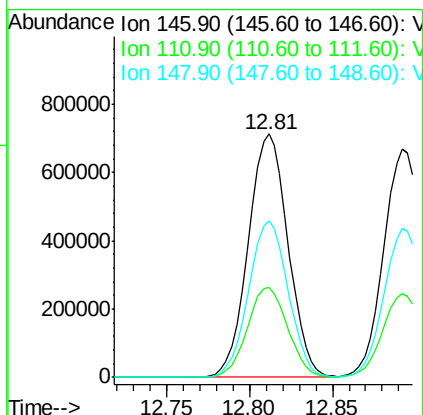
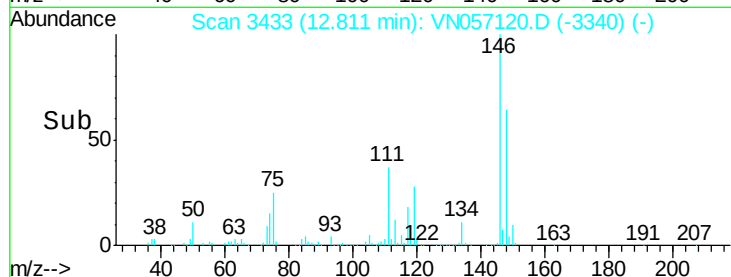
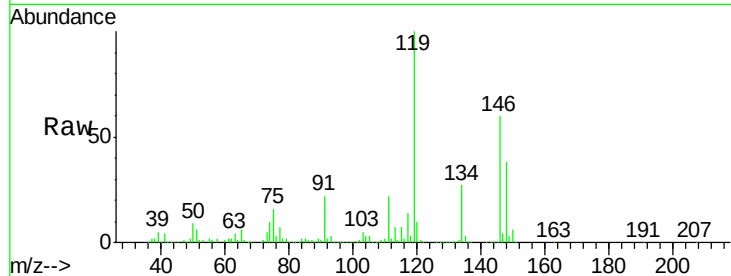
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.3	32.4	97.0

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#88

1,4-Dichlorobenzene

Concen: 52.320 ug/l

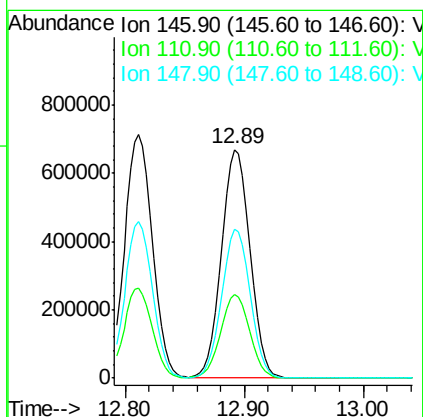
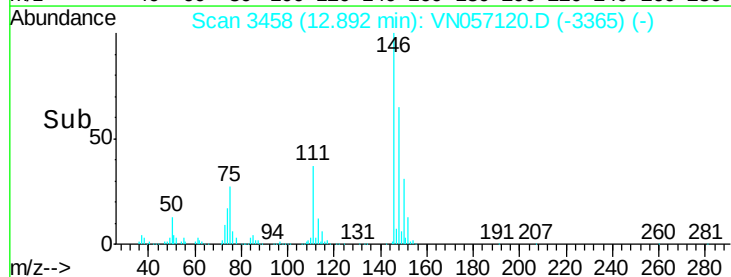
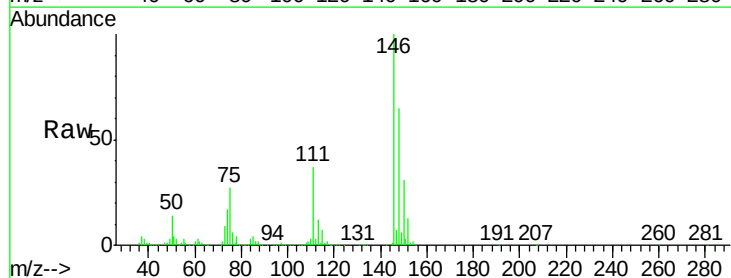
RT: 12.89 min Scan# 3458

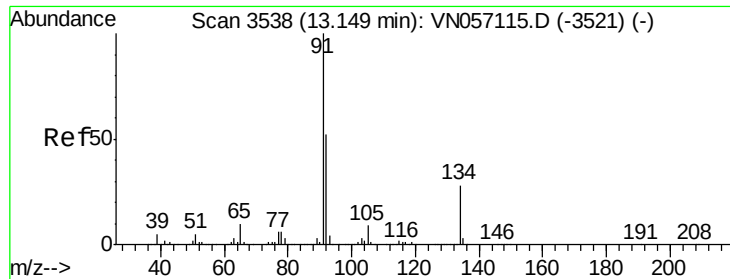
Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.2	54.6
148	65.2	32.0	96.2





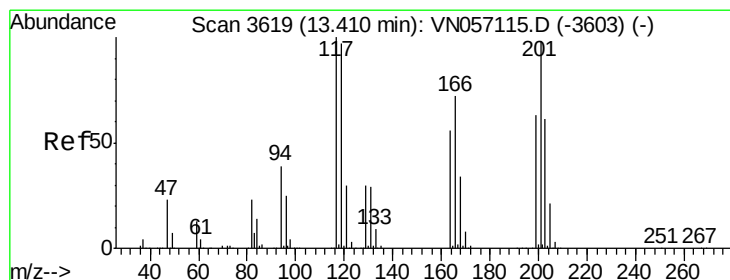
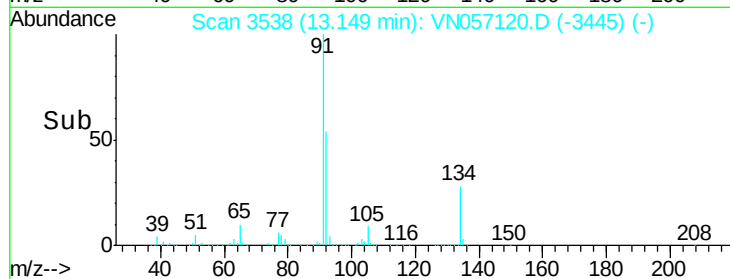
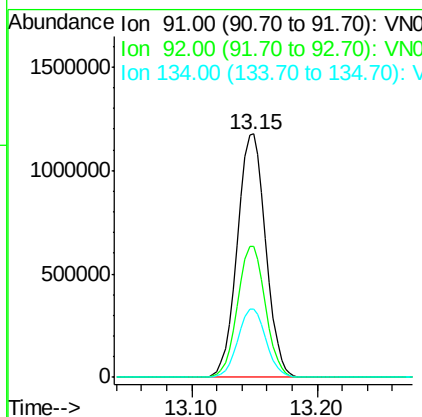
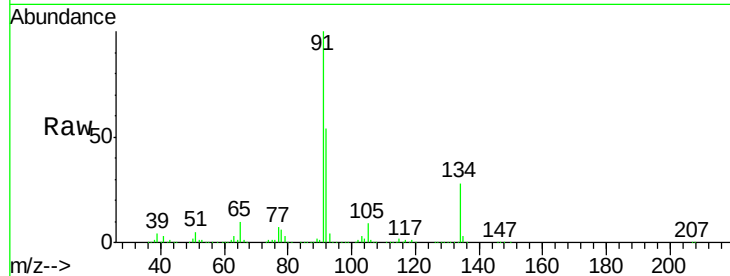
#89
n-Butylbenzene
Concen: 53.377 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	27.9	14.1	42.3

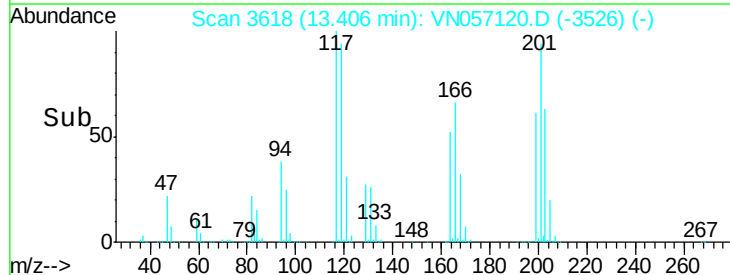
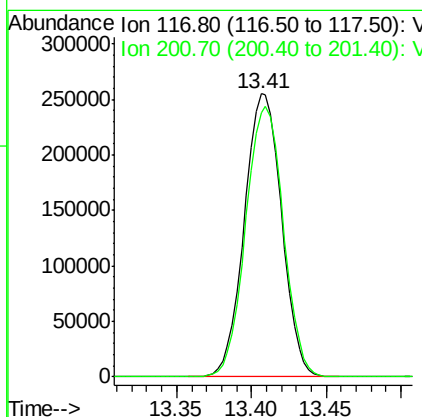
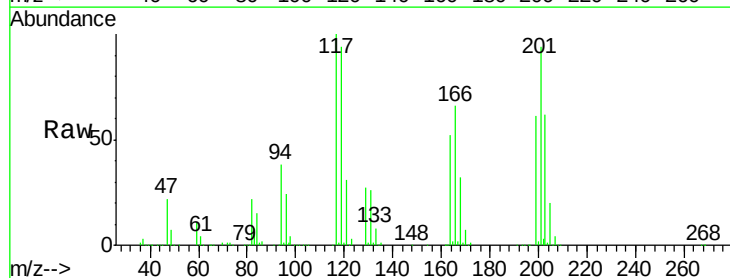
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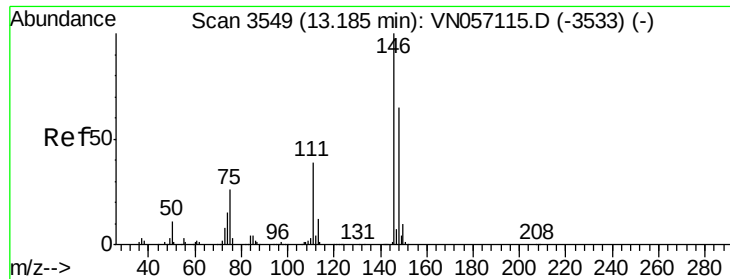
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#90
Hexachloroethane
Concen: 55.590 ug/l
RT: 13.41 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	49.3	147.8





#91

1,2-Dichlorobenzene

Concen: 50.570 ug/l

RT: 13.18 min Scan# 3549

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1134565

Ion Ratio Lower Upper

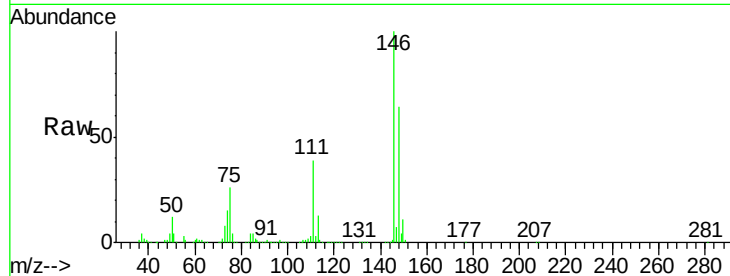
146 100

111 39.1 19.2 57.6

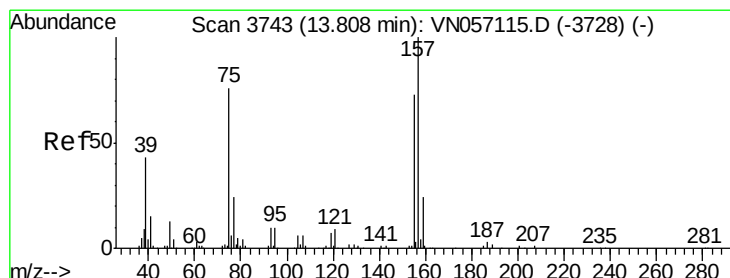
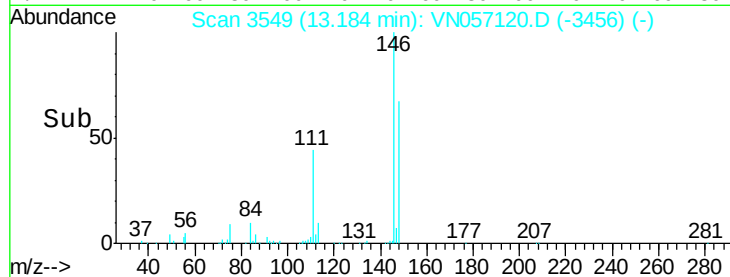
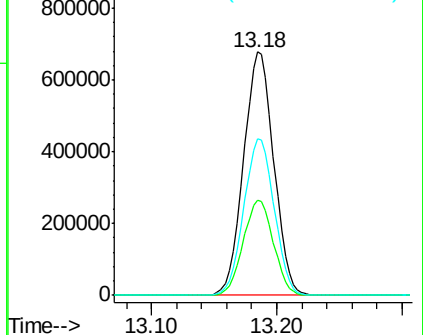
148 64.7 32.4 97.0

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.485 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057120.D

Acq: 8 Aug 2019 10:03

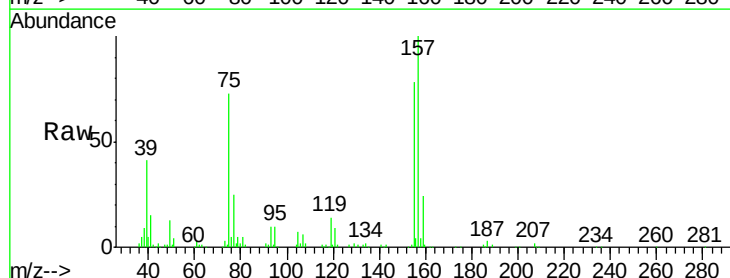
Tgt Ion: 75 Resp: 107288

Ion Ratio Lower Upper

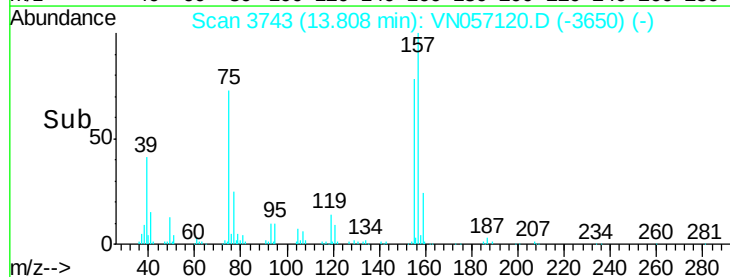
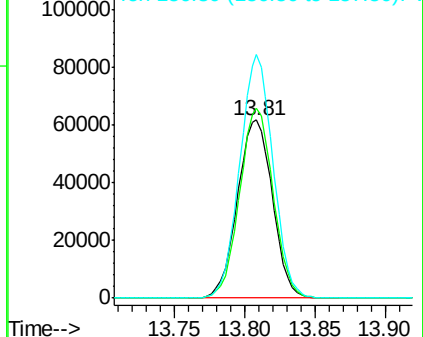
75 100

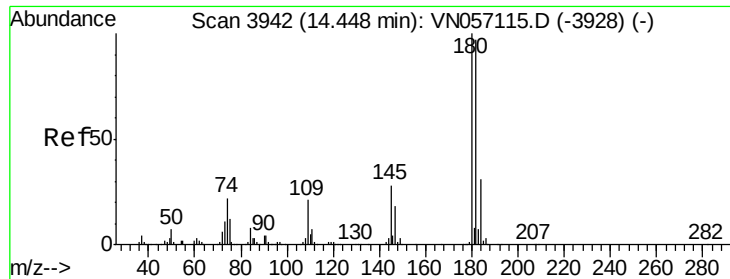
155 102.3 49.3 147.9

157 129.4 65.3 195.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





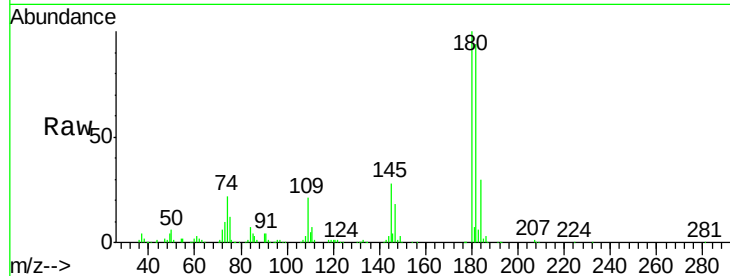
#93
 1,2,4-Trichlorobenzene
 Concen: 48.735 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

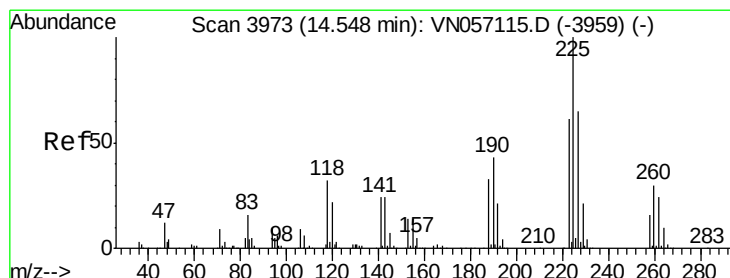
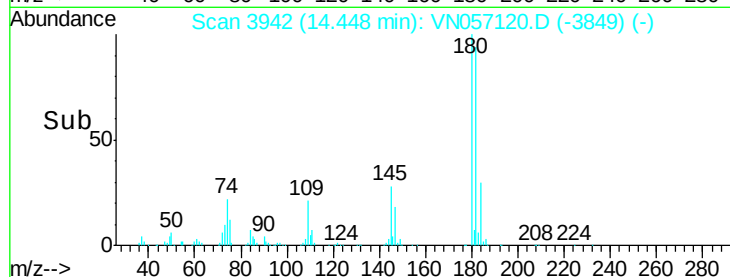
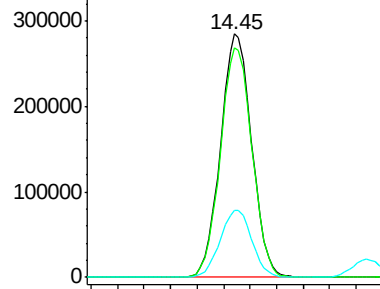
Tot Ion	Ratio	Resp	Lower	Upper
180	100	462111		
182	95.9	47.5	142.6	
145	28.1	14.1	42.2	

Manual Integrations
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 8/9/2019 9:27:52 AM

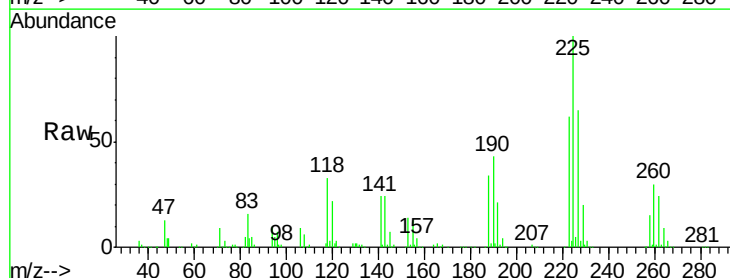


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

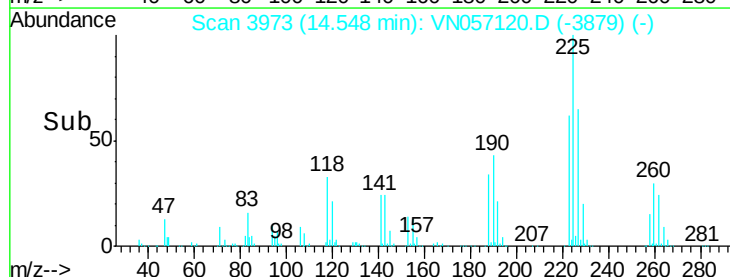
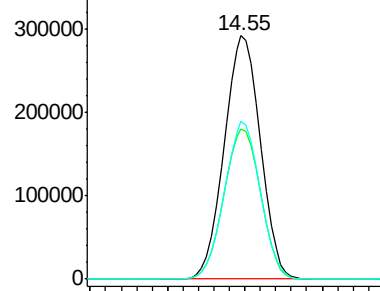


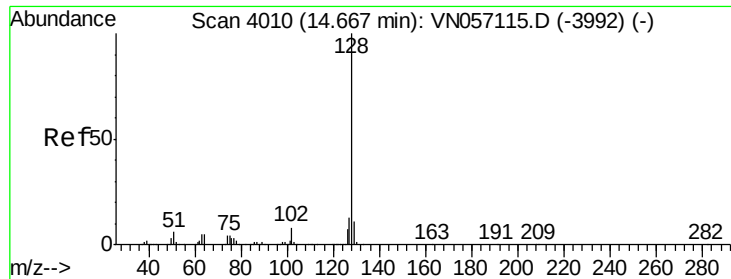
#94
 Hexachlorobutadiene
 Concen: 61.729 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057120.D
 Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	476412		
223	62.8	30.9	92.8	
227	64.0	32.4	97.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





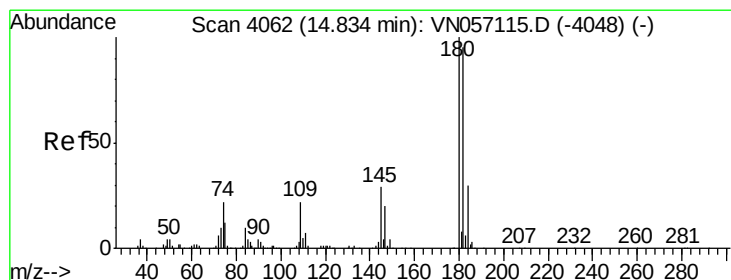
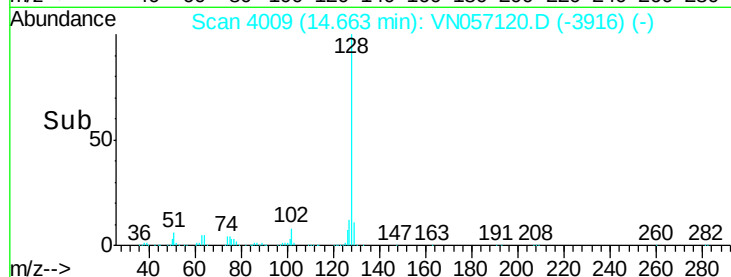
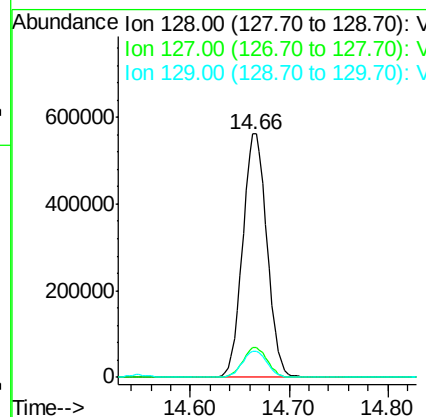
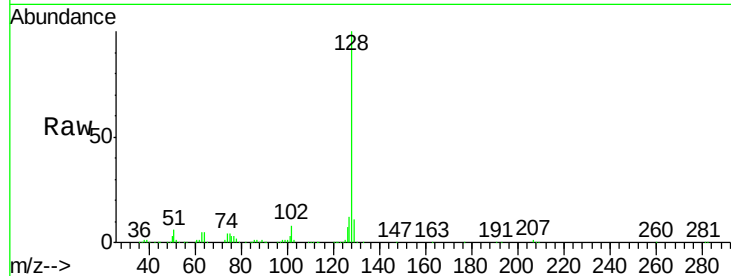
#95
Naphthalene
Concen: 50.124 ug/l
RT: 14.66 min Scan# 4009
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	955950		
127	12.5	10.3	15.5	
129	11.0	8.8	13.2	

Manual Integrations
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8/9/2019 9:27:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.021 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. -0.00 min
Lab File: VN057120.D
Acq: 8 Aug 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	458962		
182	95.3	48.3	144.8	
145	29.4	14.9	44.5	

