

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057203.D
 Acq On : 12 Aug 2019 9:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:23 AM

Quant Time: Aug 13 01:54:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	181189	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	970340	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	820881	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	343727	29.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.00%
60) 4-Bromofluorobenzene	11.92	95	356366	29.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.20%
63) Toluene-d8	9.56	98	1168737	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	205104	20.753	ug/l 100
3) Chloromethane	2.00	50	218246	19.064	ug/l 99
4) Vinyl Chloride	2.11	62	226707	19.466	ug/l 95
5) Bromomethane	2.44	94	161116	19.420	ug/l 100
6) Chloroethane	2.55	64	148930	19.720	ug/l 95
7) Trichlorofluoromethane	2.83	101	350540	20.185	ug/l 99
8) Diethyl Ether	3.14	74	128816	19.902	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	215087	20.476	ug/l 88
10) 1,1-Dichloroethene	3.44	96	207312	19.961	ug/l 98
11) Methyl Iodide	3.63	142	313474	19.343	ug/l 97
12) Methyl Acetate	3.89	43	226402	20.926	ug/l 96
13) Acrolein	3.31	56	104974	87.980	ug/l 100
14) Acrylonitrile	4.45	53	444761	98.532	ug/l 99
15) Acetone	3.47	58	168321	112.358	ug/l 91
16) Carbon Disulfide	3.72	76	546726	19.512	ug/l 100
17) Allyl chloride	3.91	41	313955	20.504	ug/l 95
18) Methylene Chloride	4.10	84	229181	19.464	ug/l 99
19) trans-1,2-Dichloroethene	4.51	96	222298	19.965	ug/l 97
20) Diisopropyl ether	5.31	45	644308	20.633	ug/l 97
21) 1,1-Dichloroethane	5.25	63	395994	20.361	ug/l 100
22) cis-1,2-Dichloroethene	6.21	96	249518	19.689	ug/l 99
23) tert-Butyl Alcohol	4.24	59	148721	99.845	ug/l # 100
24) Methyl tert-Butyl Ether	4.49	73	625181	20.470	ug/l 100
25) Chloroform	6.76	83	400683	20.036	ug/l 97
26) Cyclohexane	7.06	56	329769	19.834	ug/l # 99
29) 1,1-Dichloropropene	7.20	75	305094	20.908	ug/l 99
30) 2-Butanone	6.20	43	609701	106.128	ug/l # 97
31) 2,2-Dichloropropane	6.21	77	325627	20.872	ug/l 100
32) 1,1,1-Trichloroethane	6.97	97	355520	21.038	ug/l 99
33) Carbon Tetrachloride	7.18	117	316075	21.011	ug/l 98
34) Benzene	7.46	78	915592	20.555	ug/l 98
35) Methacrylonitrile	6.55	41	115490	19.890	ug/l 92
36) 1,2-Dichloroethane	7.54	62	296043	20.804	ug/l 100
37) Trichloroethene	8.27	130	265083	20.942	ug/l 100
38) Methylcyclohexane	8.52	83	358452	20.585	ug/l 100
39) 1,2-Dichloropropane	8.56	63	239975	20.901	ug/l 96
40) Dibromomethane	8.65	93	152851	20.679	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	303467	20.648	ug/l	99
42) Vinyl Acetate	5.26	43	2459310	102.972	ug/l	100
43) Ethyl Acetate	6.28	43	220976	20.856	ug/l	98
44) Isopropyl Acetate	7.56	43	423106	21.993	ug/l	99
45) 1,4-Dioxane	8.65	88	73797	411.063	ug/l	98
46) Methyl methacrylate	8.64	41	175596	20.019	ug/l	98
47) n-amyl Acetate	11.59	43	259307	18.321	ug/l	96
48) t-1,3-Dichloropropene	9.86	75	320500	20.450	ug/l	98
49) cis-1,3-Dichloropropene	9.30	75	363523	20.462	ug/l	98
50) 1,1,2-Trichloroethane	10.04	97	223149	21.123	ug/l	97
51) Ethyl methacrylate	9.90	69	294888	19.780	ug/l	98
52) 1,3-Dichloropropane	10.19	76	363903	20.666	ug/l	100
53) Dibromochloromethane	10.39	129	247440	20.786	ug/l	100
54) 1,2-Dibromoethane	10.50	107	225546	20.453	ug/l	100
55) 2-Chloroethyl vinyl ether	9.15	63	419310	99.611	ug/l	98
56) Bromoform	11.64	173	174216	19.805	ug/l	99
58) 4-Methyl-2-Pentanone	9.45	43	1090461	103.406	ug/l	100
59) 2-Hexanone	10.24	43	786961	103.800	ug/l	99
61) Tetrachloroethene	10.11	164	277689	22.040	ug/l	97
62) Toluene	9.63	91	985378	21.089	ug/l	99
64) Chlorobenzene	10.93	112	602785	20.975	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.01	131	243111	22.060	ug/l	96
66) Ethyl Benzene	11.01	91	1052391	21.012	ug/l	99
67) m/p-Xylenes	11.13	106	802092	42.466	ug/l	99
68) o-Xylene	11.46	106	392249	21.390	ug/l	98
69) Styrene	11.47	104	608427	20.691	ug/l	100
70) Isopropylbenzene	11.77	105	1044939	21.165	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.02	83	276860	20.475	ug/l	98
72) 1,2,3-Trichloropropane	12.08	75	244334m	20.646	ug/l	
73) Bromobenzene	12.05	156	264656	20.673	ug/l	96
74) n-propylbenzene	12.11	91	1061713	20.485	ug/l	99
75) 2-Chlorotoluene	12.20	91	669423	20.882	ug/l	100
76) 1,3,5-Trimethylbenzene	12.26	105	867424	20.866	ug/l	87
77) t-1,4-Dichloro-2-butene	11.82	75	80138	20.121	ug/l	96
78) 4-Chlorotoluene	12.30	91	609208	20.462	ug/l	99
79) tert-butylbenzene	12.52	119	774923	21.150	ug/l	98
80) 1,2,4-Trimethylbenzene	12.57	105	800298	20.414	ug/l	100
81) sec-Butylbenzene	12.70	105	928670	20.102	ug/l	99
82) p-Isopropyltoluene	12.82	119	804899	19.567	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	395390	20.283	ug/l	98
84) 1,4-Dichlorobenzene	12.90	146	354964	19.576	ug/l	99
85) n-Butylbenzene	13.15	91	569776	19.156	ug/l	99
86) Hexachloroethane	13.41	117	151858	20.302	ug/l	99
87) 1,2-Dichlorobenzene	13.19	146	386410	19.989	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	39295	20.712	ug/l	89
89) 1,2,4-Trichlorobenzene	14.45	180	123382	19.657	ug/l	97
90) Hexachlorobutadiene	14.55	225	171029	20.522	ug/l	97
91) Naphthalene	14.67	128	205632	14.013	ug/l	99
92) 1,2,3-Trichlorobenzene	14.84	180	132935	21.213	ug/l	97

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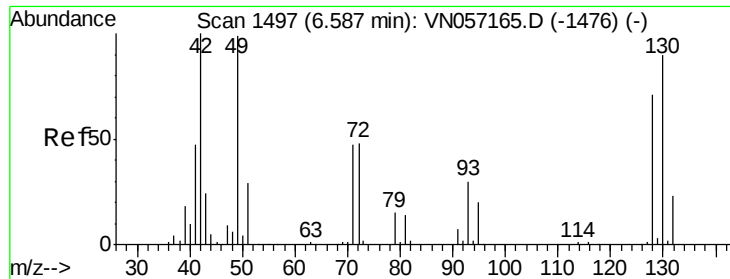
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

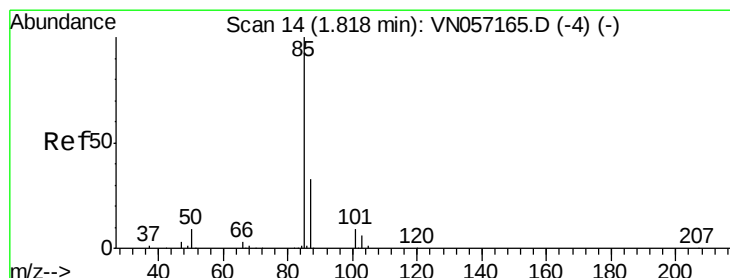
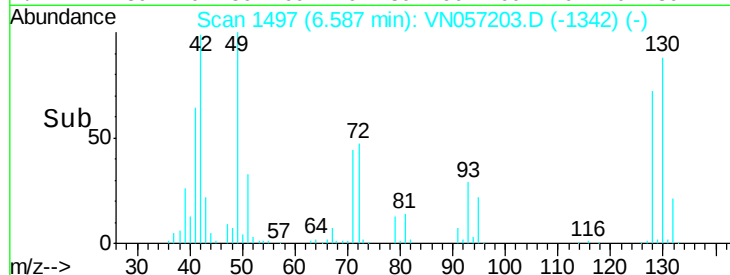
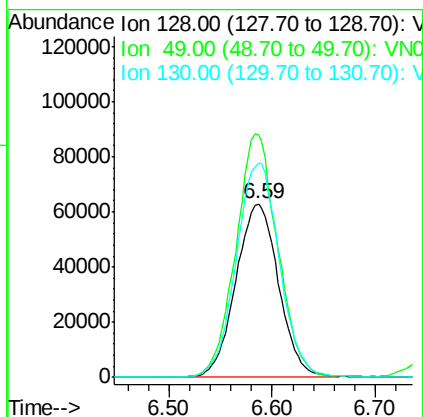
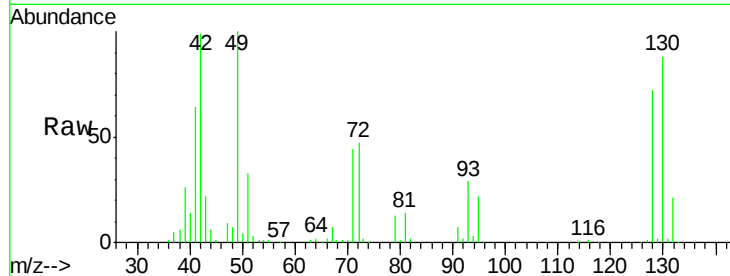
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	181189
Ion Ratio	Lower	Upper	
128	100		
49	137.5	0.0	361.0
130	125.5	0.0	329.5

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#2

Dichlorodifluoromethane

Concen: 20.753 ug/l

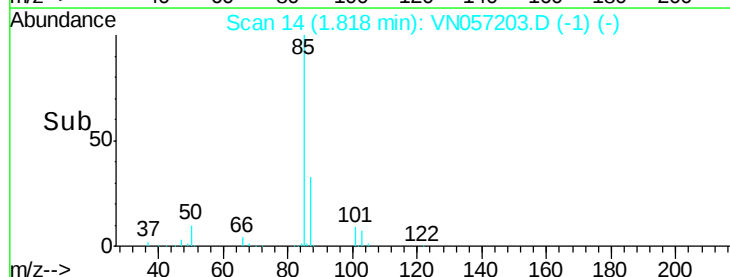
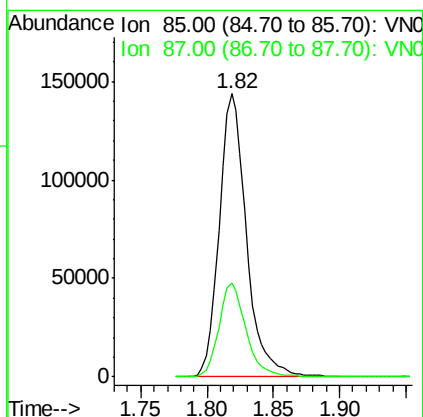
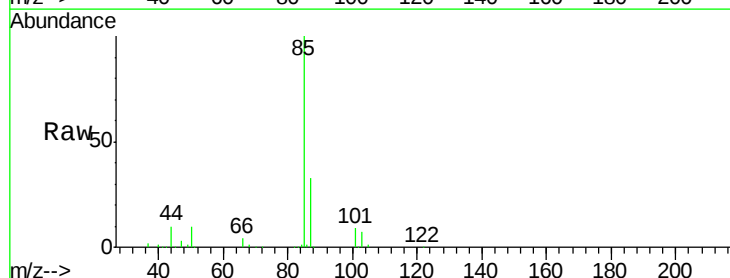
RT: 1.82 min Scan# 14

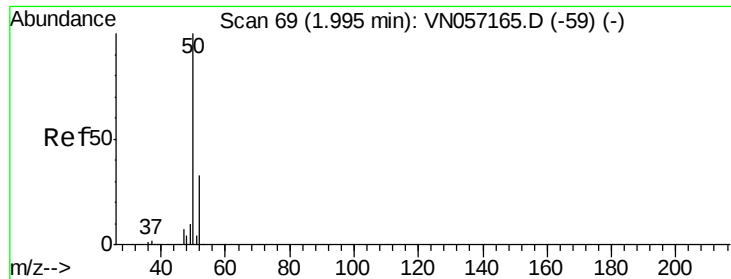
Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Tgt Ion:	85	Resp:	205104
Ion Ratio	Lower	Upper	
85	100		
87	33.1	16.5	49.5





#3

Chloromethane

Concen: 19.064 ug/l

RT: 2.00 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 218246

Ion Ratio Lower Upper

50 100

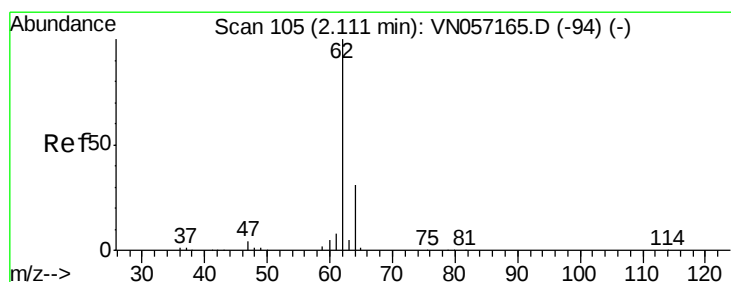
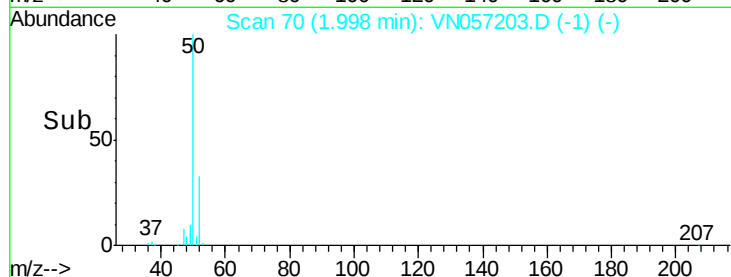
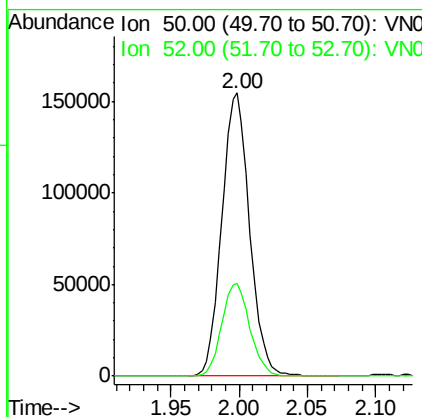
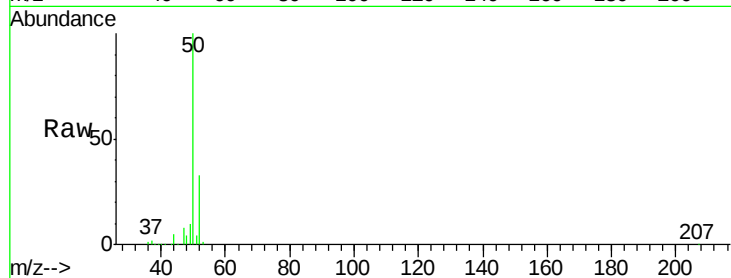
52 32.5 26.5 39.7

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#4

Vinyl Chloride

Concen: 19.466 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057203.D

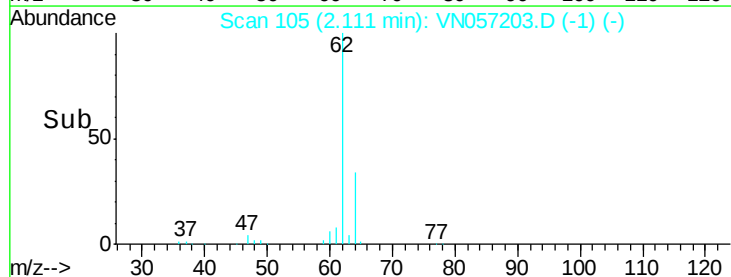
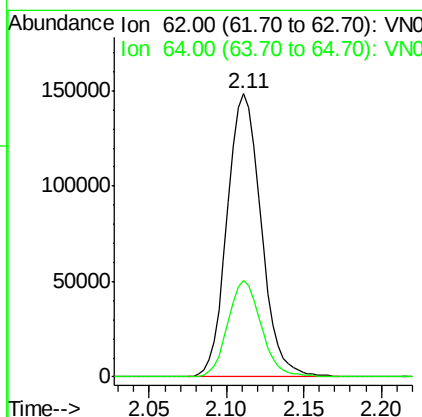
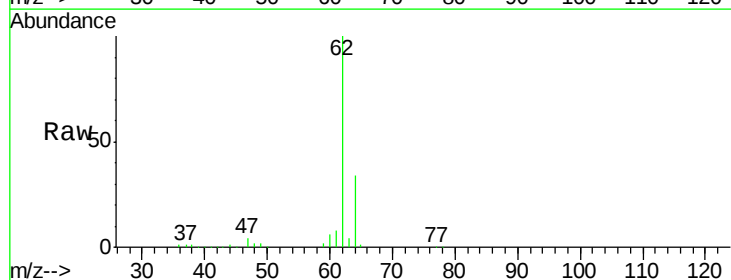
Acq: 12 Aug 2019 9:22

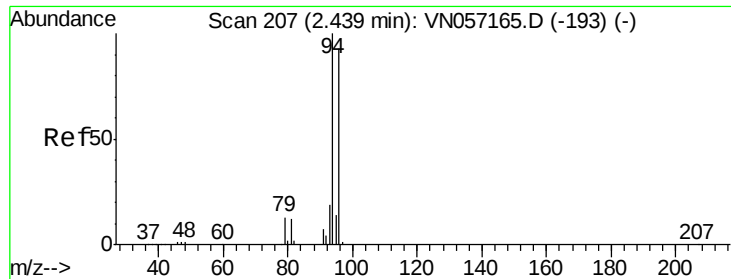
Tgt Ion: 62 Resp: 226707

Ion Ratio Lower Upper

62 100

64 34.0 25.0 37.4





#5

Bromomethane

Concen: 19.420 ug/l

RT: 2.44 min Scan# 206

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 161116

Ion Ratio Lower Upper

94 100

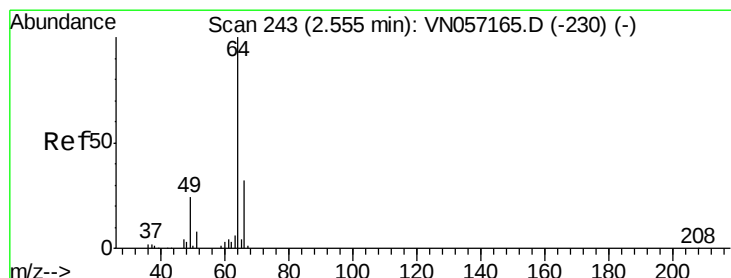
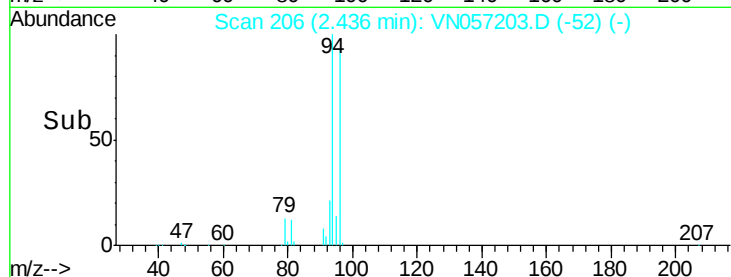
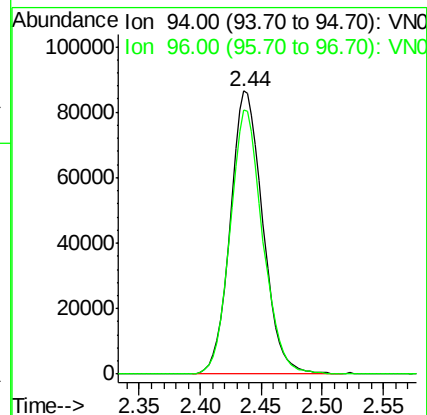
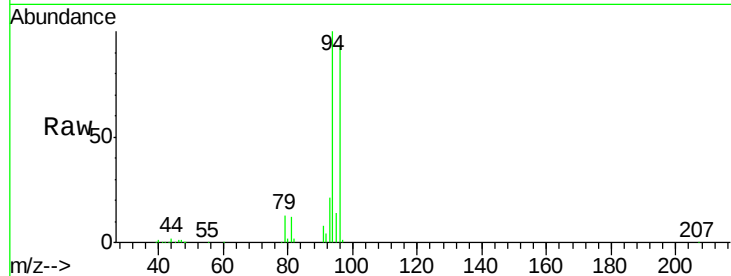
96 93.1 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 19.720 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN057203.D

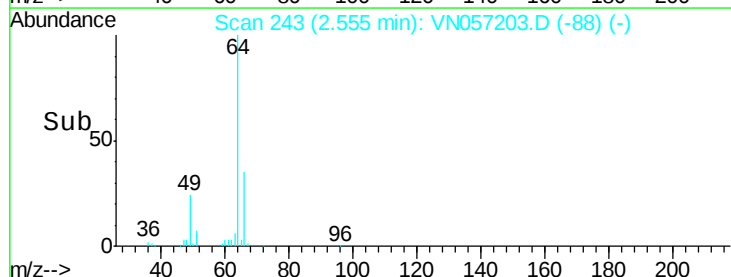
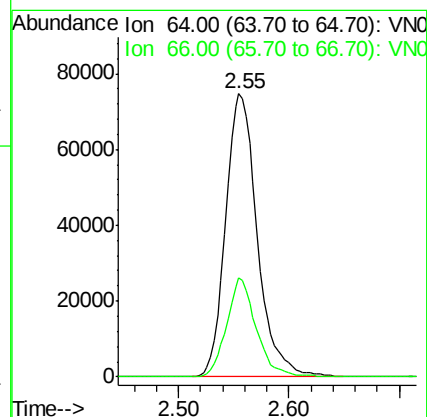
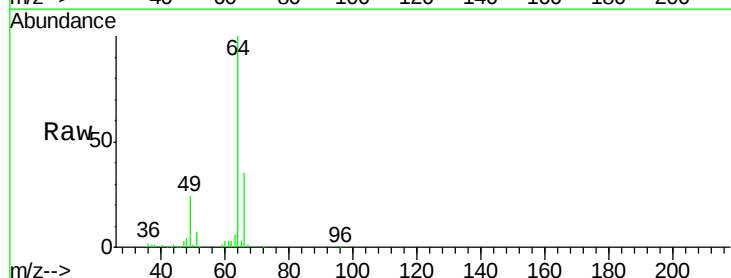
Acq: 12 Aug 2019 9:22

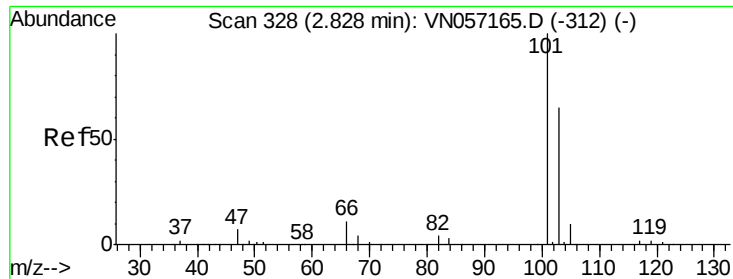
Tgt Ion: 64 Resp: 148930

Ion Ratio Lower Upper

64 100

66 34.8 25.8 38.6





#7

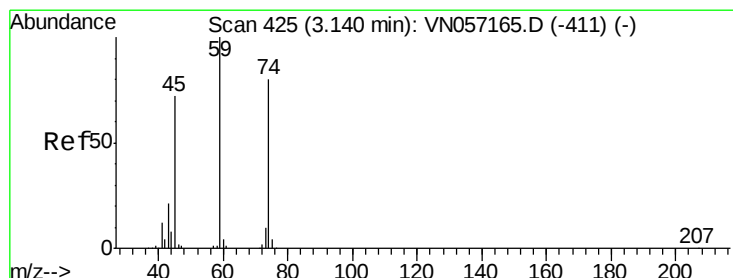
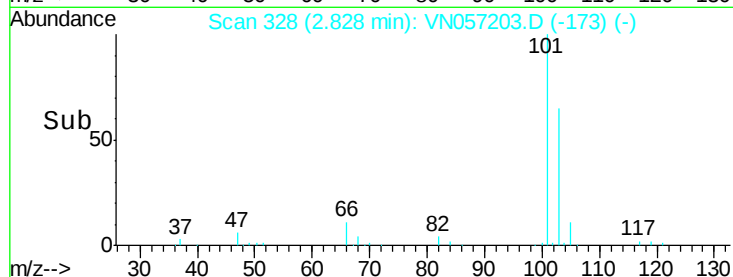
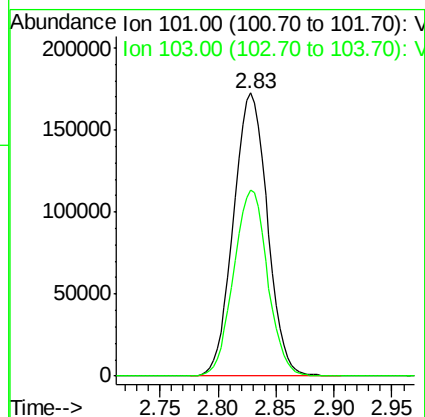
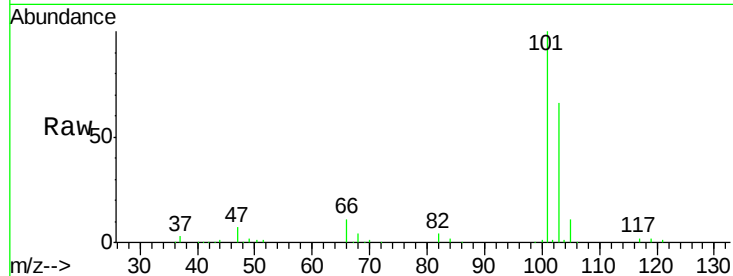
Trichlorofluoromethane
 Concen: 20.185 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VN057203.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.8

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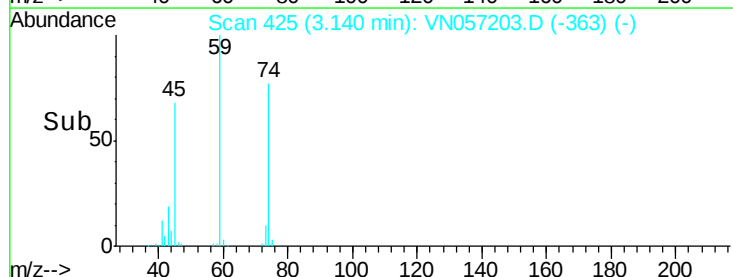
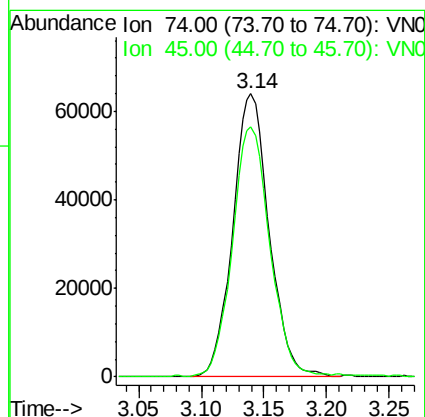
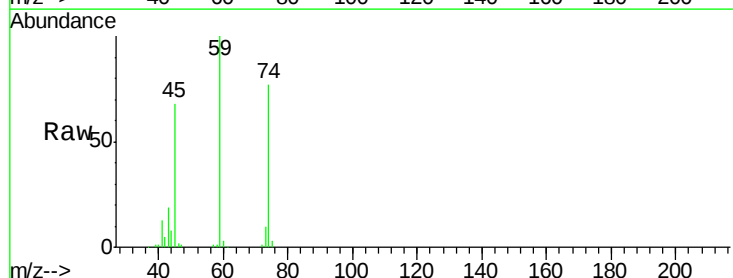
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 8/14/2019 9:23:23 AM

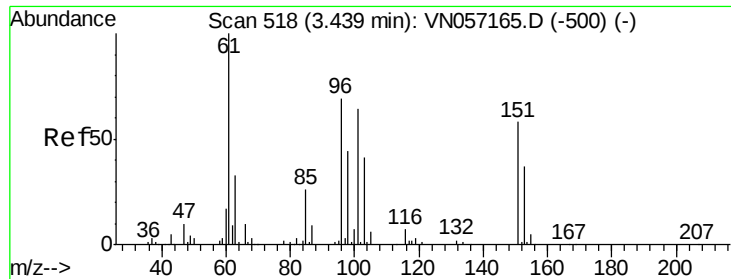


#8

Diethyl Ether
 Concen: 19.902 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	17.9	161.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.476 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

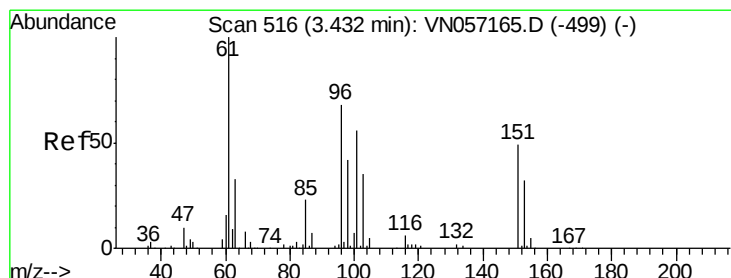
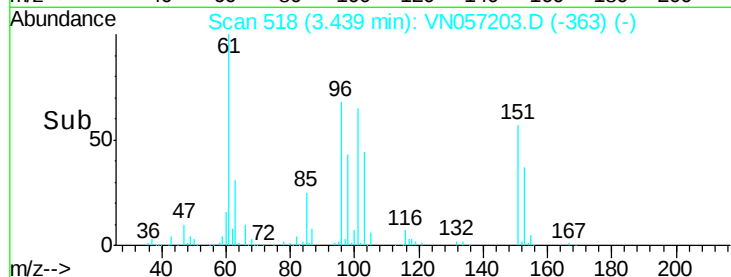
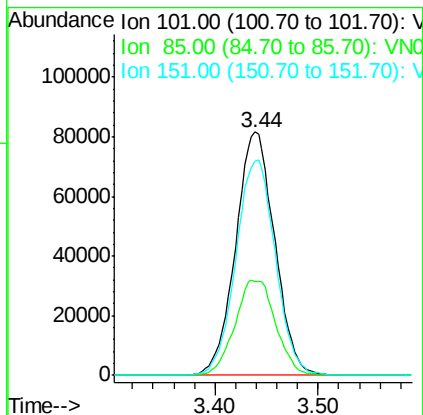
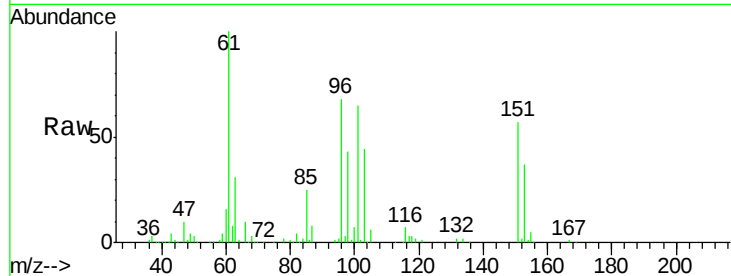
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	215087
Ion Ratio	Lower	Upper	
101	100		
85	21.4	0.0	84.4
151	89.6	0.0	175.0

Manual Integrations
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MMDadoda
8/14/2019 9:23:23 AM



#10

1,1-Dichloroethene

Concen: 19.961 ug/l

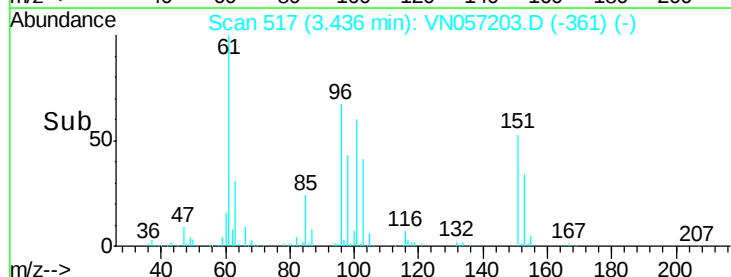
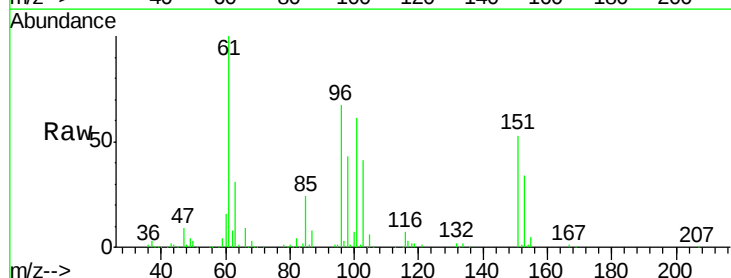
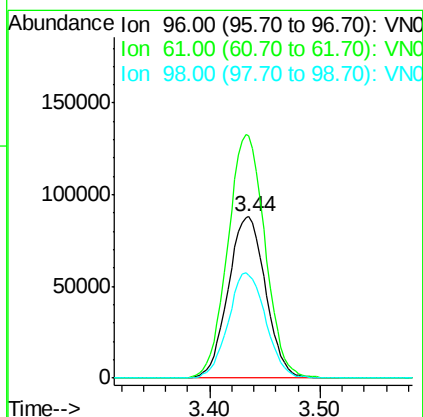
RT: 3.44 min Scan# 517

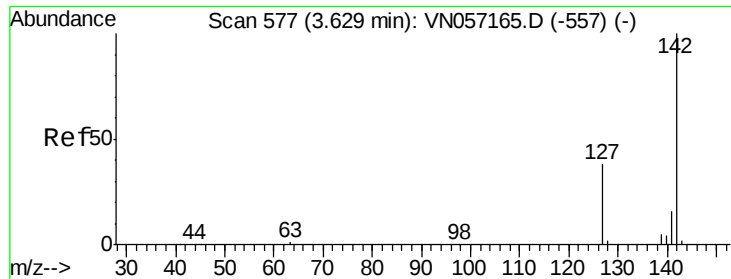
Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Tgt Ion:	96	Resp:	207312
Ion Ratio	Lower	Upper	
96	100		
61	149.6	118.2	177.2
98	64.1	49.3	73.9





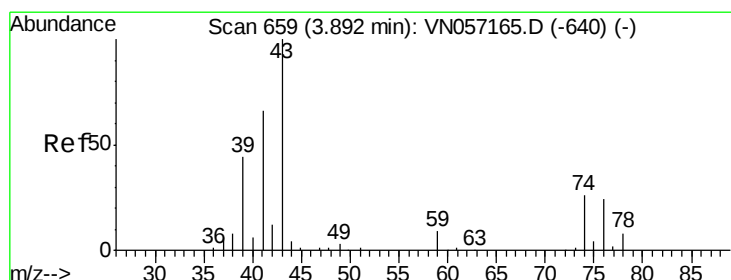
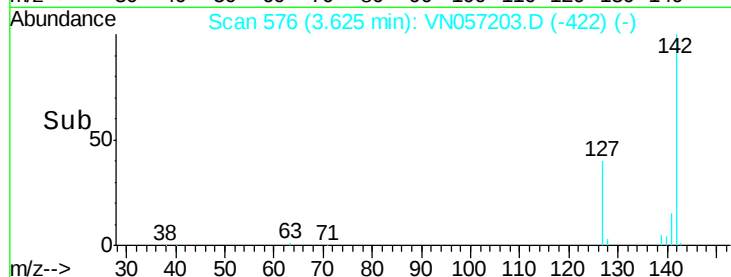
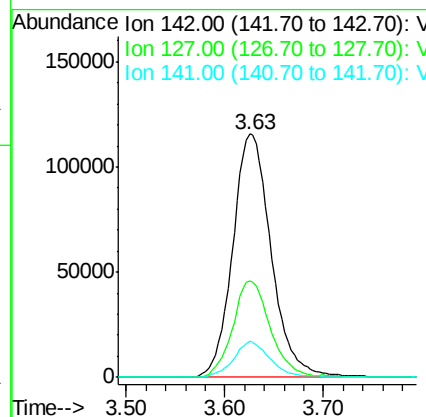
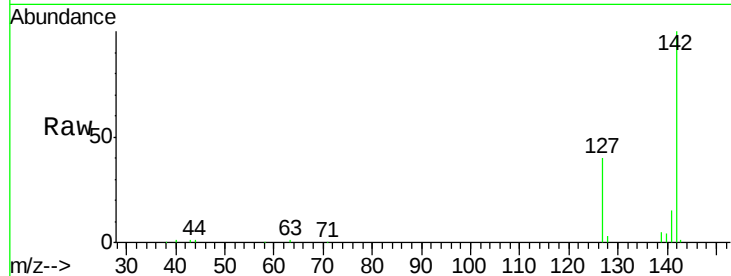
#11
Methvl Iodide
Concen: 19.343 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.6	19.0	57.0
141	14.8	7.8	23.5

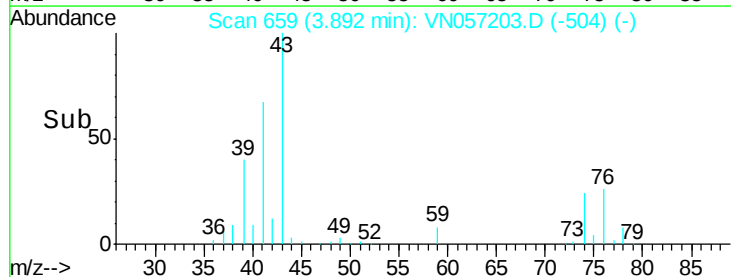
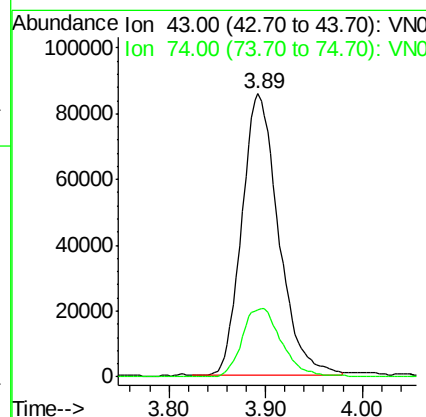
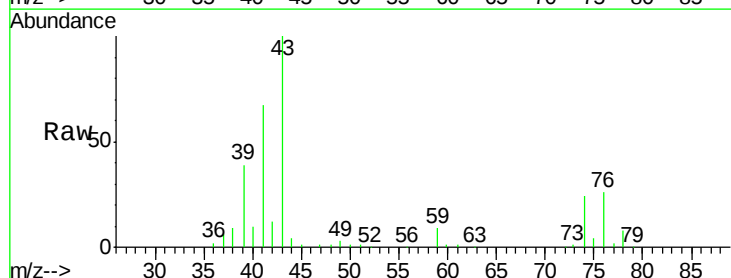
Manual Integrations
APPROVED

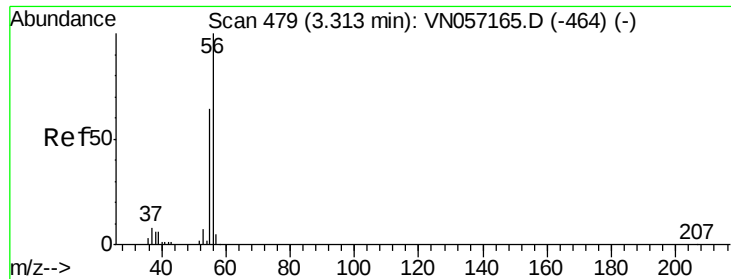
MMDadoda
8/14/2019 9:23:23 AM



#12
Methyl Acetate
Concen: 20.926 ug/l
RT: 3.89 min Scan# 659
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	20.5	30.7





#13

Acrolein

Concen: 87.980 ug/l

RT: 3.31 min Scan# 478

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 104974

Ion Ratio Lower Upper

56 100

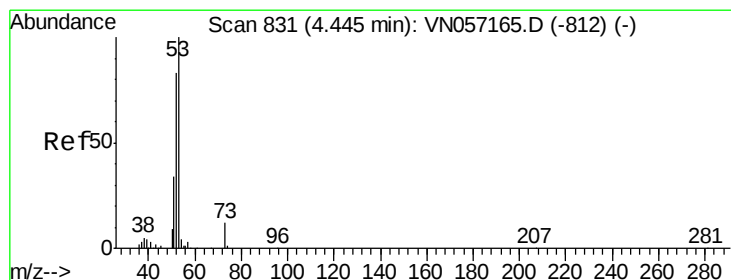
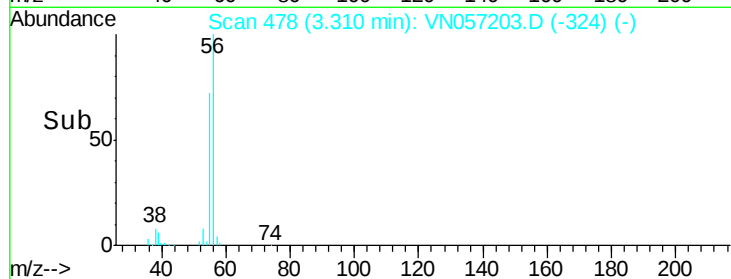
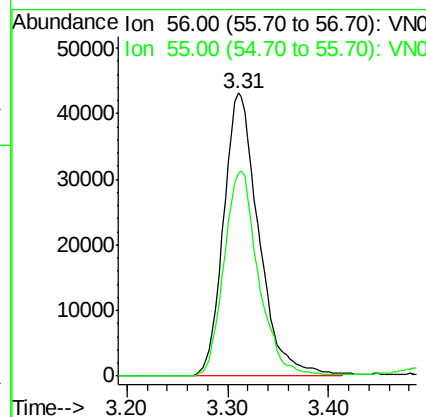
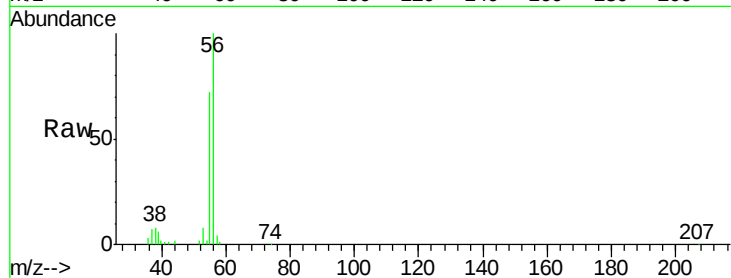
55 70.2 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:23 AM



#14

Acrylonitrile

Concen: 98.532 ug/l

RT: 4.45 min Scan# 832

Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

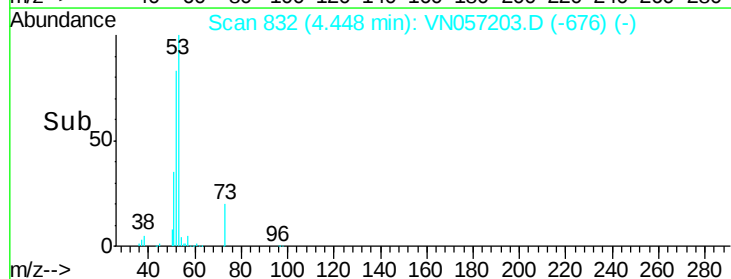
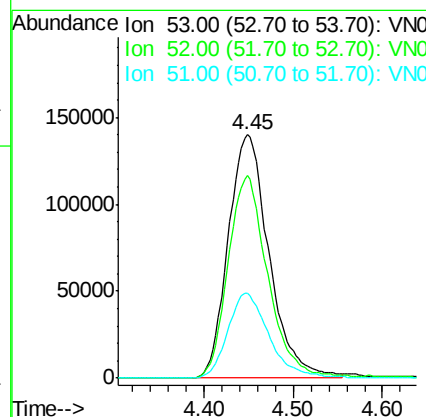
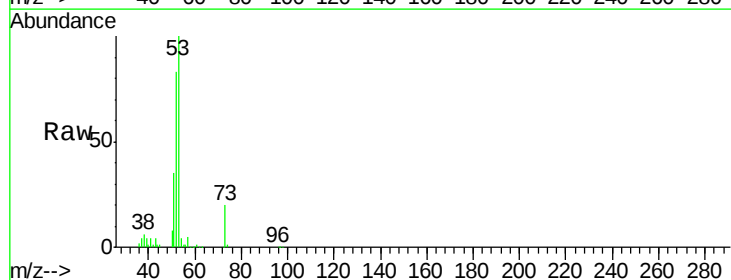
Tgt Ion: 53 Resp: 444761

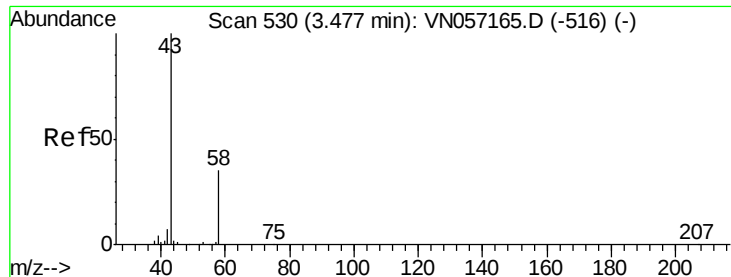
Ion Ratio Lower Upper

53 100

52 80.6 41.1 123.4

51 35.0 17.4 52.3





#15

Acetone

Concen: 112.358 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 168321

Ion Ratio Lower Upper

58 100

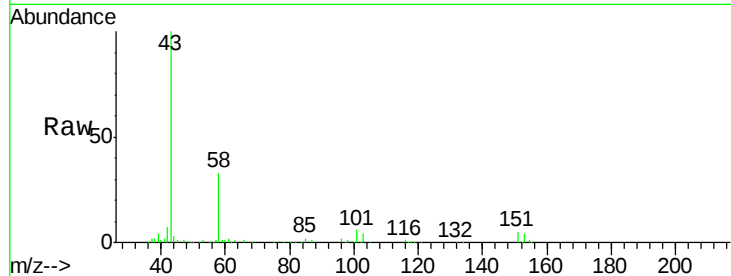
43 298.9 226.2 339.2

Manual Integrations

APPROVED

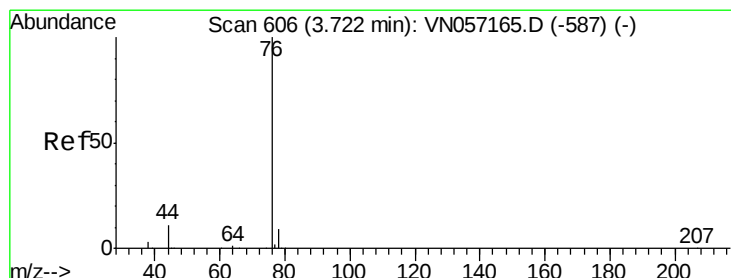
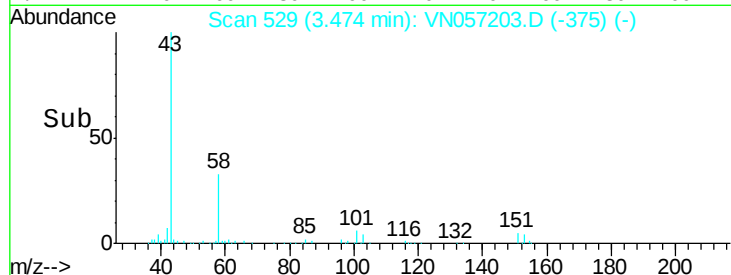
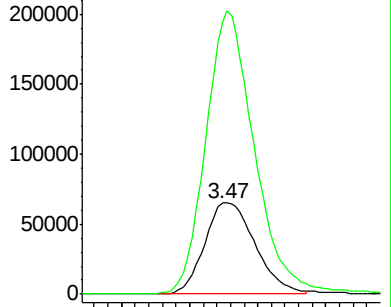
MMDadoda

8/14/2019 9:23:23 AM



Abundance Ion 58.00 (57.70 to 58.70): VN057203.D (-529) (-)

Ion 43.00 (42.70 to 43.70): VN057203.D (-529) (-)



#16

Carbon Disulfide

Concen: 19.512 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN057203.D

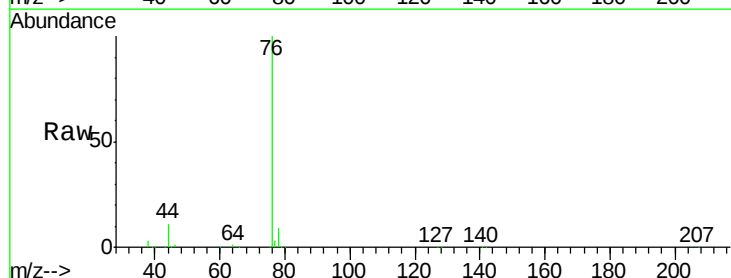
Acq: 12 Aug 2019 9:22

Tgt Ion: 76 Resp: 546726

Ion Ratio Lower Upper

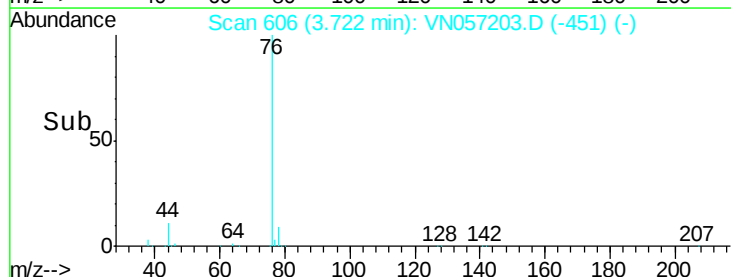
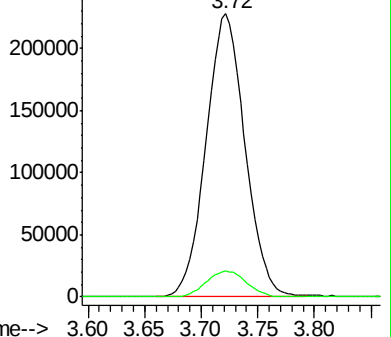
76 100

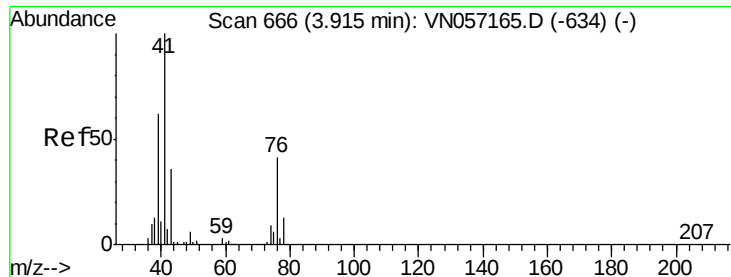
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN057203.D (-606) (-)

Ion 78.00 (77.70 to 78.70): VN057203.D (-606) (-)





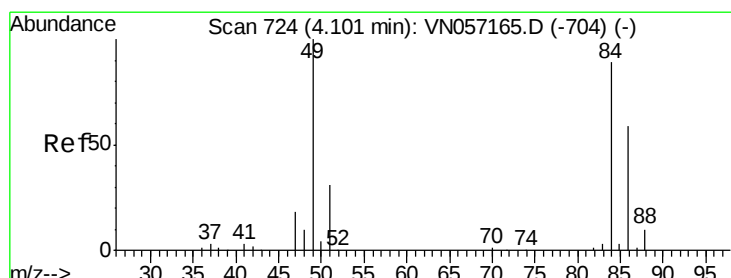
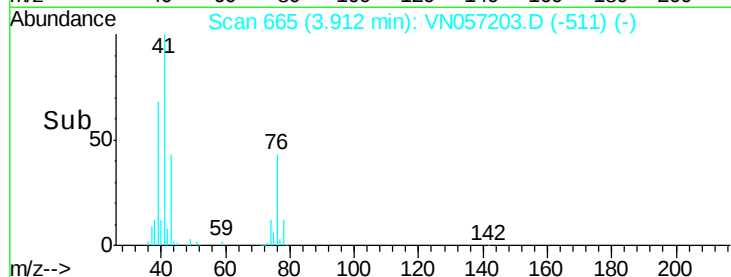
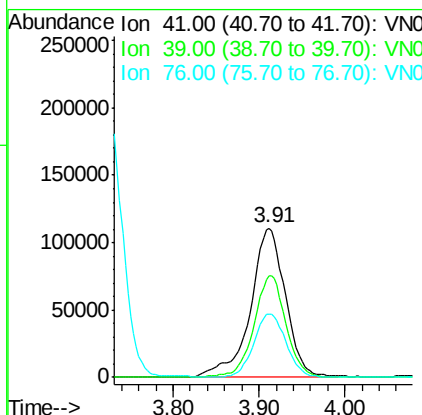
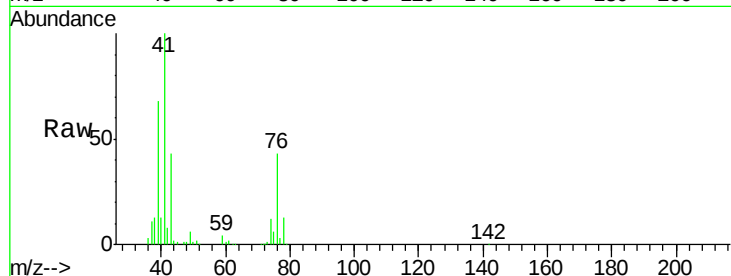
#17
Allvl chloride
Concen: 20.504 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	67.8	31.2	93.6	
76	42.2	20.5	61.6	

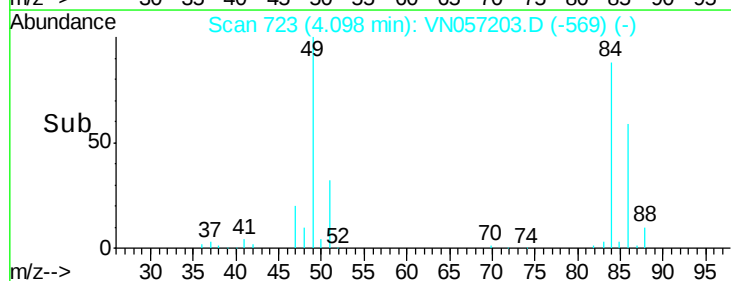
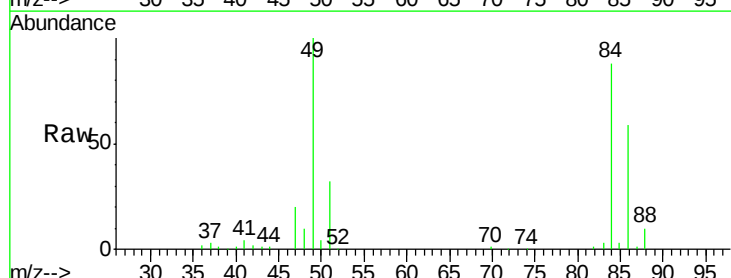
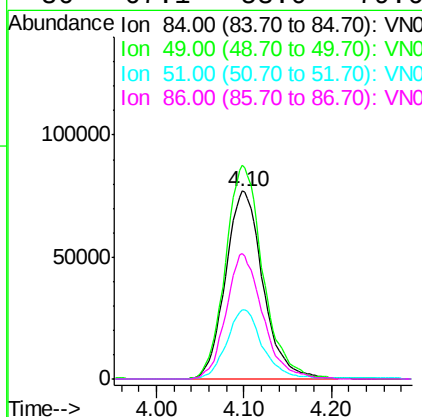
Manual Integrations
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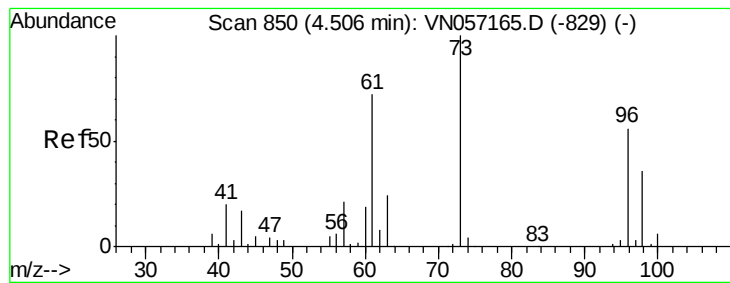
MMDadoda
8/14/2019 9:23:23 AM



#18
Methylene Chloride
Concen: 19.464 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	113.5	90.1	135.1	
51	36.7	27.9	41.9	
86	67.1	53.0	79.6	





#19

trans-1,2-Dichloroethene

Concen: 19.965 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 96 Resp: 222298

Ion Ratio Lower Upper

96 100

61 134.3 103.6 155.4

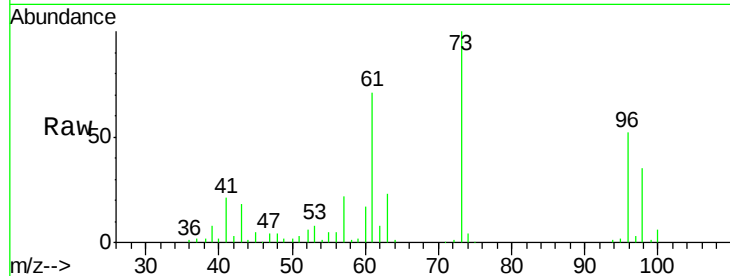
98 65.7 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

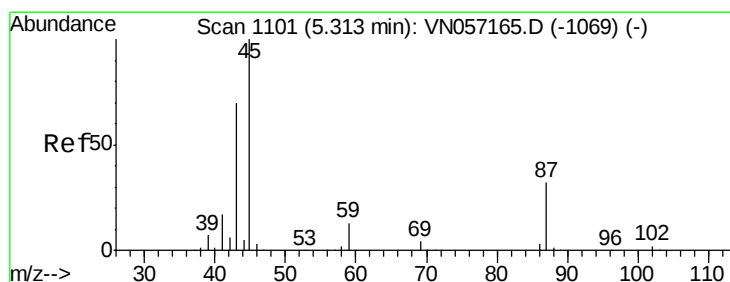
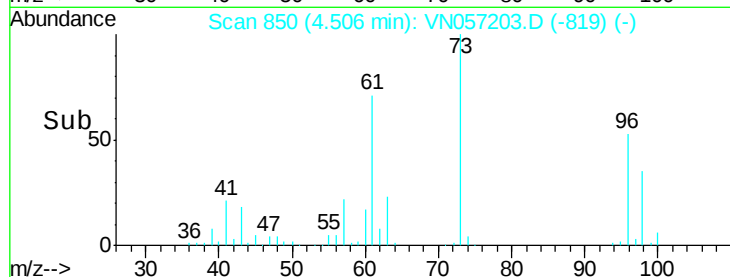
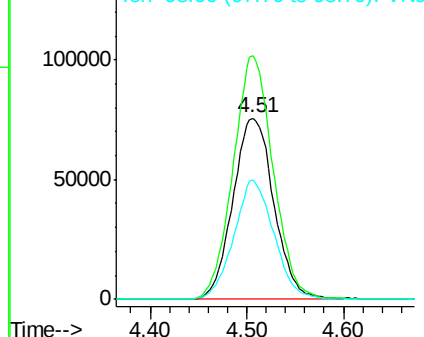
8/14/2019 9:23:23 AM



Abundance Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20

Diisopropyl ether

Concen: 20.633 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Tgt Ion: 45 Resp: 644308

Ion Ratio Lower Upper

45 100

43 77.5 60.0 90.0

87 30.6 25.9 38.9

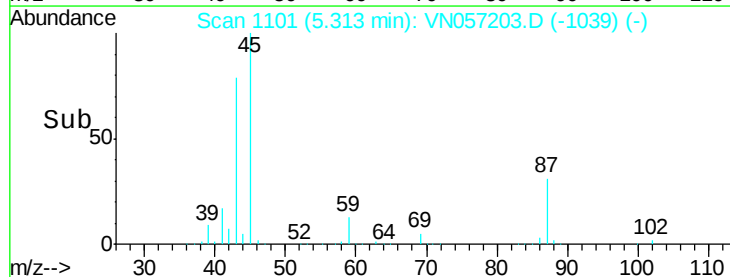
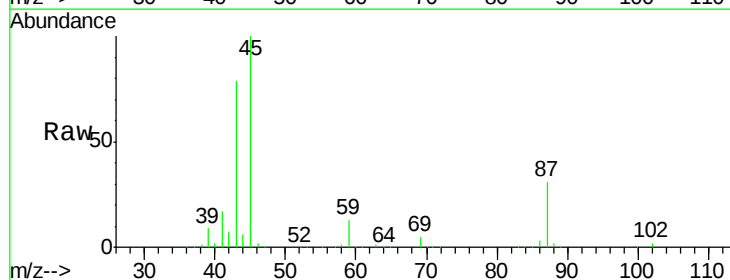
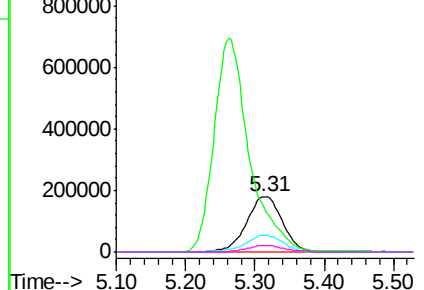
59 12.5 10.5 15.7

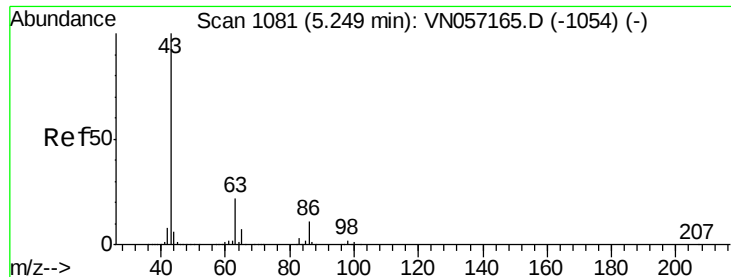
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





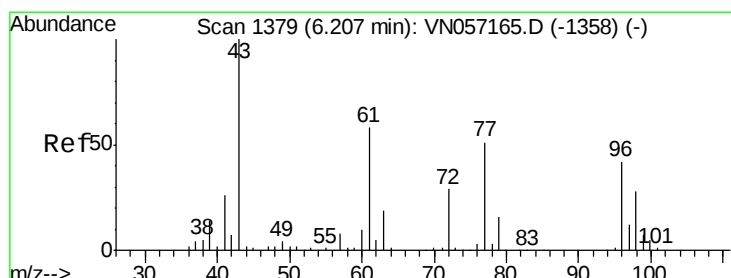
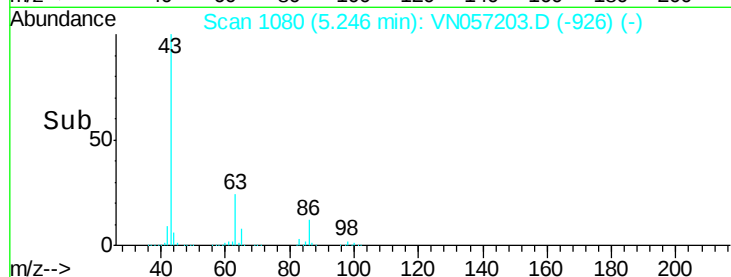
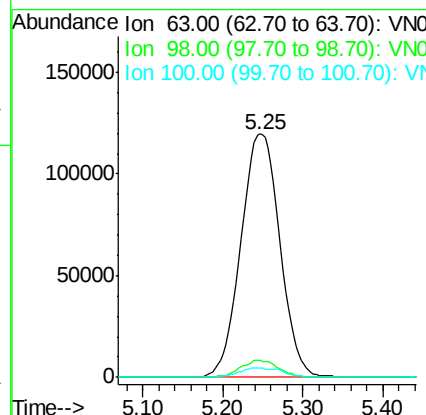
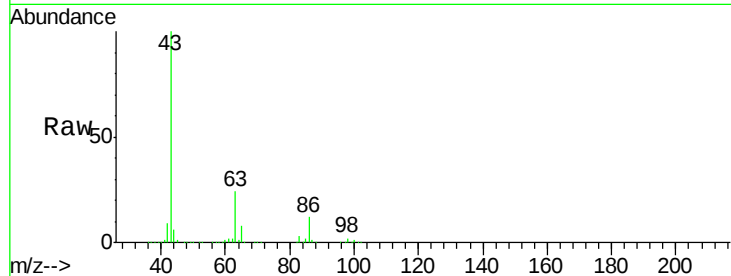
#21
 1,1-Dichloroethane
 Concen: 20.361 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	7.0	3.5	10.4
100	3.9	1.9	5.7

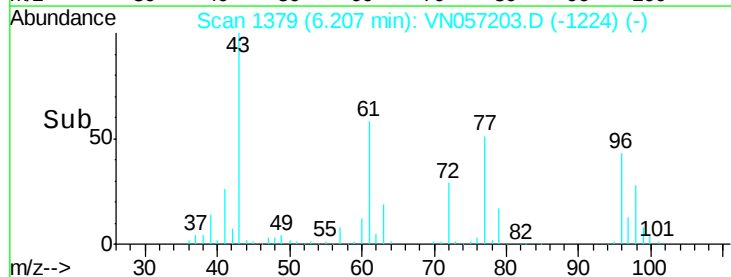
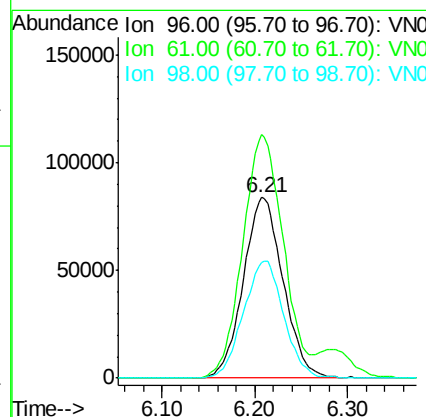
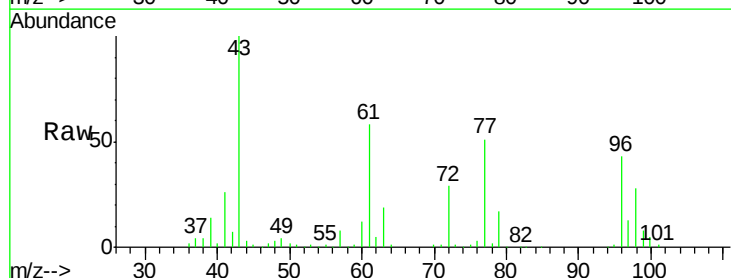
Manual Integrations
 APPROVED

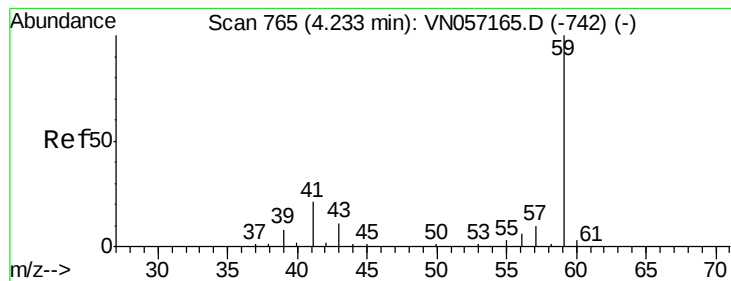
MMDadoda
 8/14/2019 9:23:23 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.689 ug/l
 RT: 6.21 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	137.9	109.2	163.8
98	65.7	51.7	77.5





#23

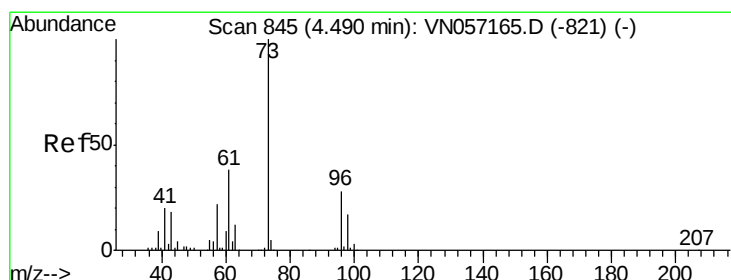
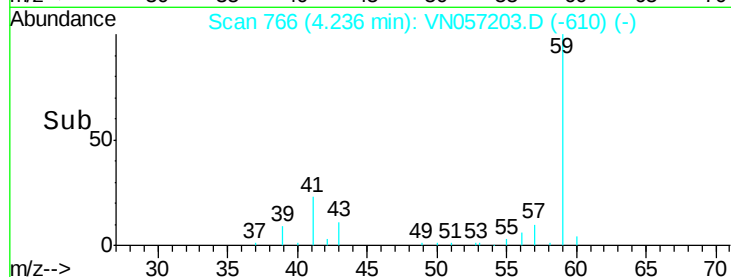
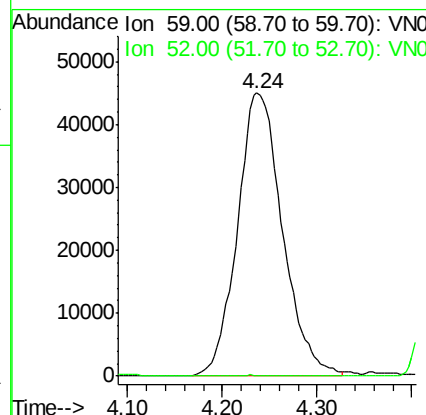
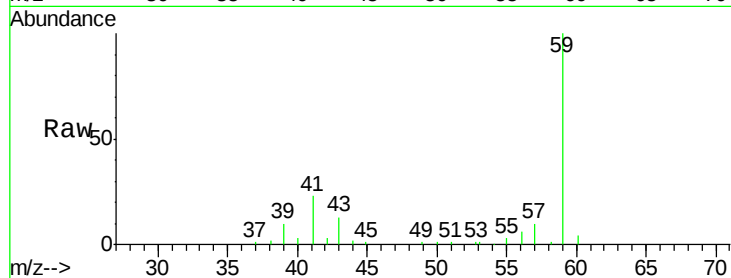
tert-Butyl Alcohol
 Concen: 99.845 ug/l
 RT: 4.24 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100				
52	0.1		0.2	0.2	

Manual Integrations
 APPROVED

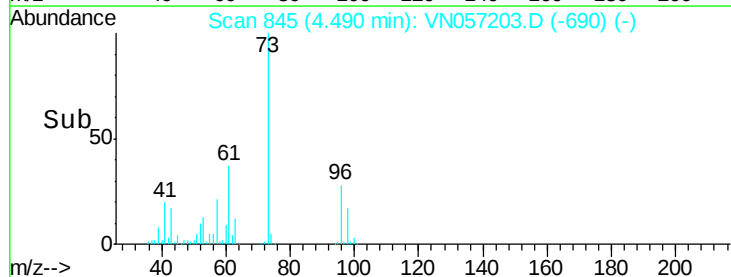
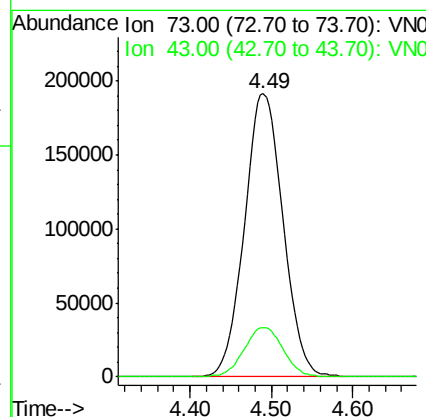
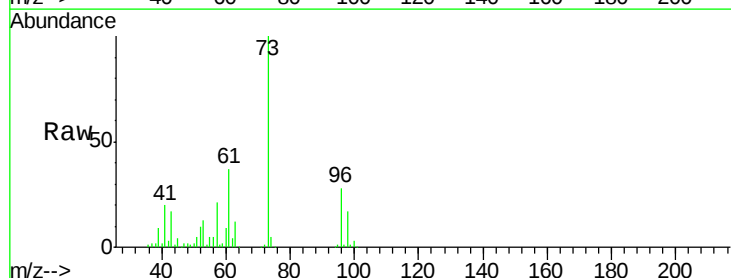
MMDadoda
 8/14/2019 9:23:23 AM

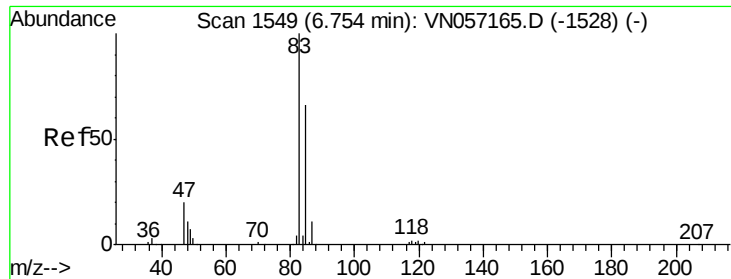


#24

Methyl tert-Butyl Ether
 Concen: 20.470 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100				
43	18.0		14.3	21.5	





#25

Chloroform

Concen: 20.036 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 400683

Ion Ratio Lower Upper

83 100

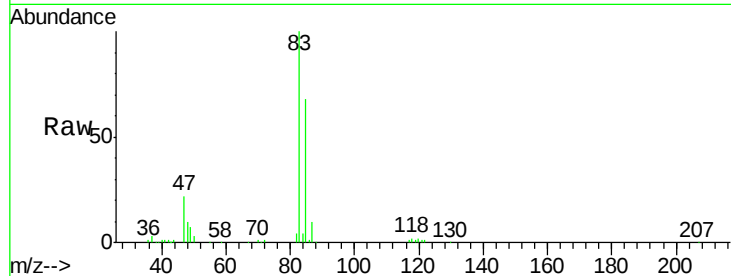
85 67.6 52.5 78.7

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:23 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

6.76

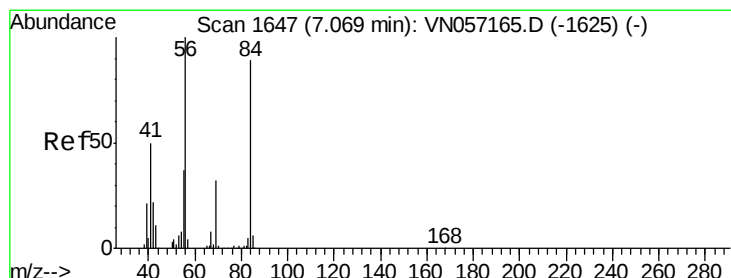
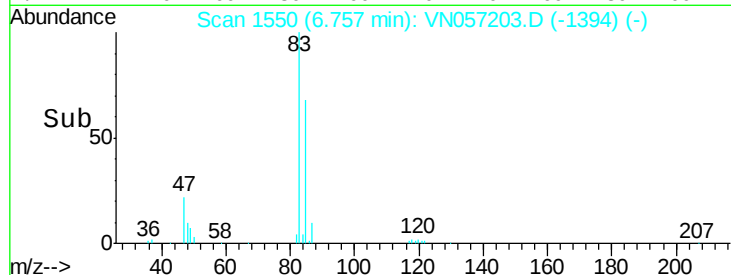
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 19.834 ug/l

RT: 7.06 min Scan# 1645

Delta R.T. -0.01 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

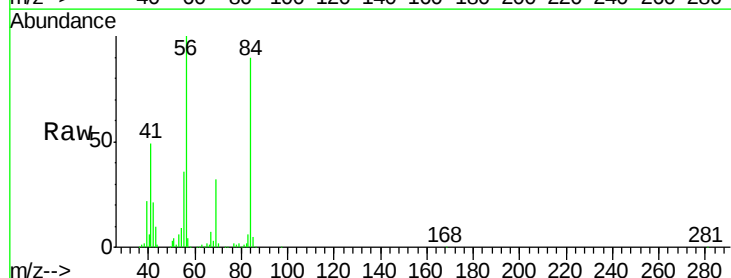
Tgt Ion: 56 Resp: 329769

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 89.0 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

200000

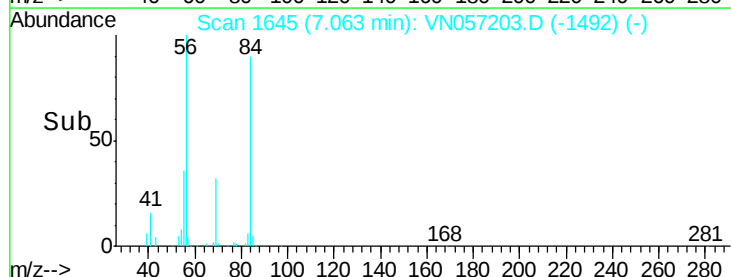
150000

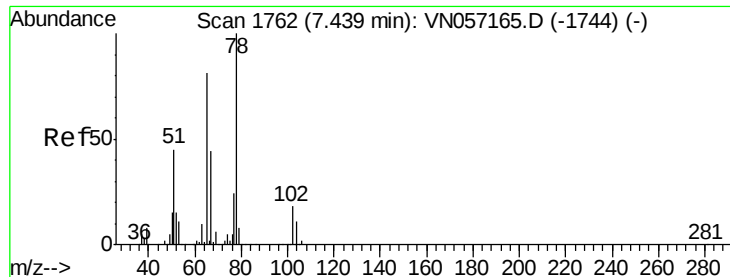
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 29.103 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 343727

Ion Ratio Lower Upper

65 100

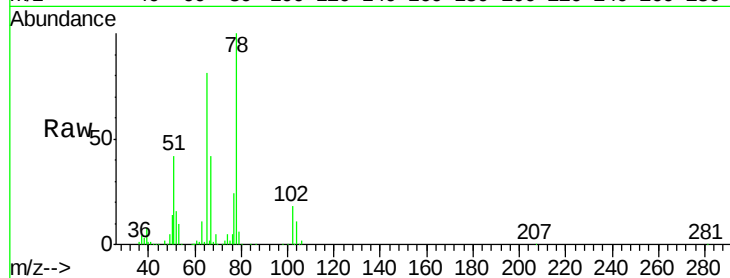
67 53.9 42.4 63.6

Manual Integrations

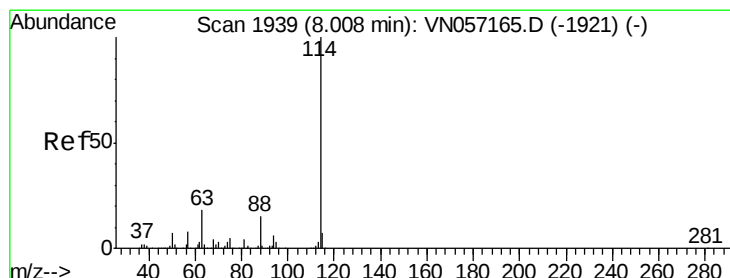
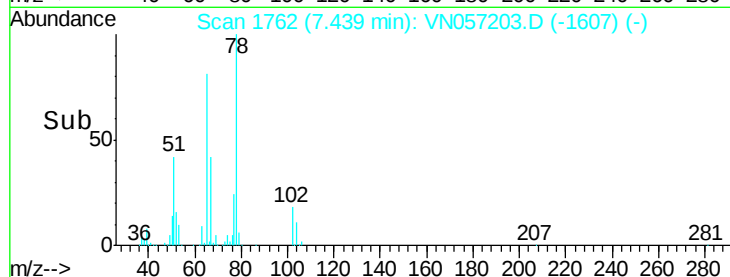
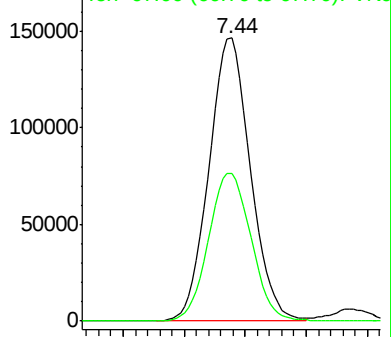
APPROVED

MMDadoda

8/14/2019 9:23:23 AM



Abundance Ion 65.00 (64.70 to 65.70): VN057203.D (-1607) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

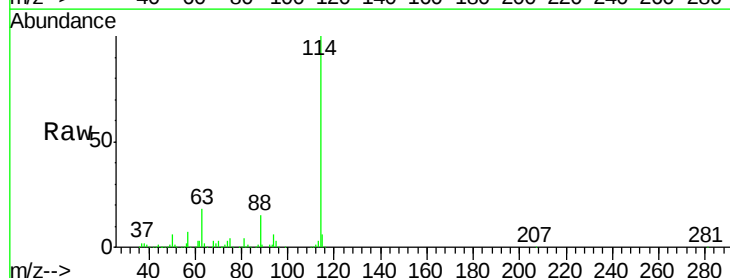
Tgt Ion: 114 Resp: 970340

Ion Ratio Lower Upper

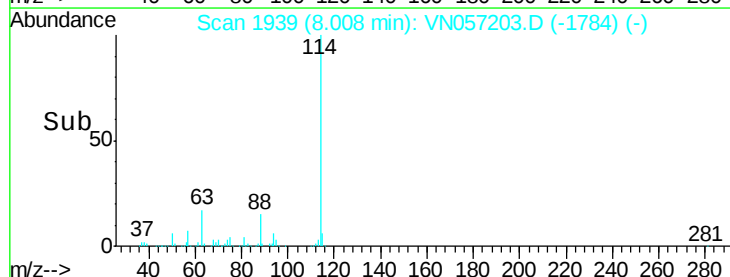
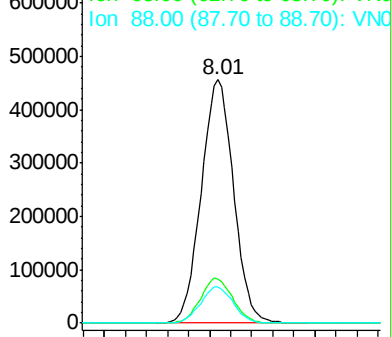
114 100

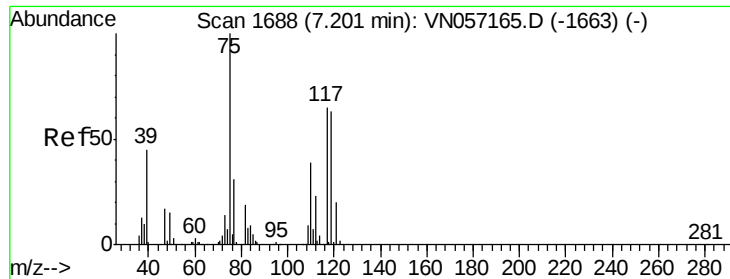
63 18.4 14.6 21.8

88 14.9 12.2 18.2



Abundance Ion 114.00 (113.70 to 114.70): VN057203.D (-1784) (-)





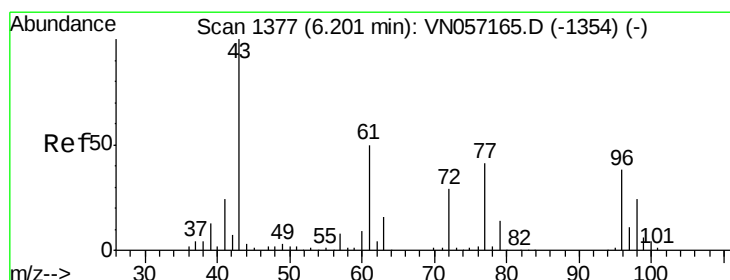
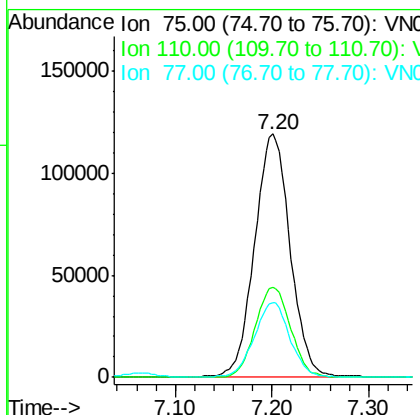
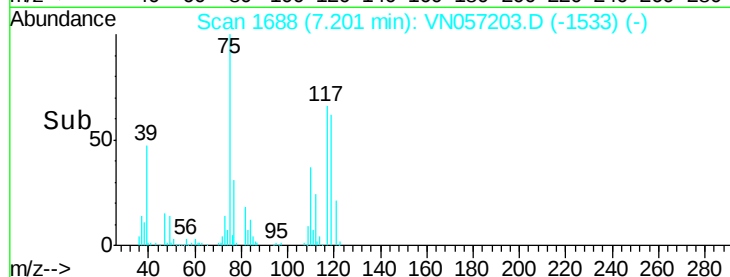
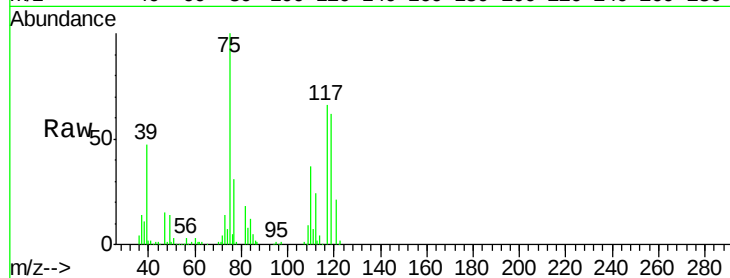
#29
 1,1-Dichloropropene
 Concen: 20.908 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.7	0.0	75.6
77	30.8	0.0	62.4

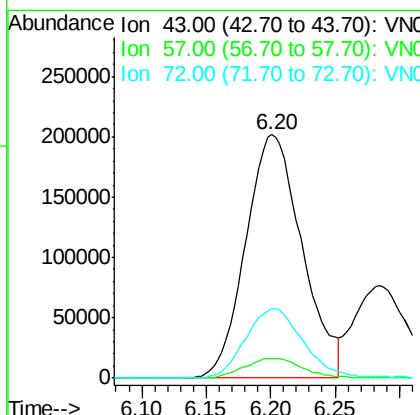
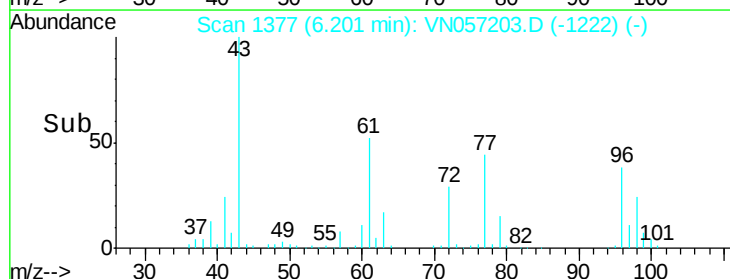
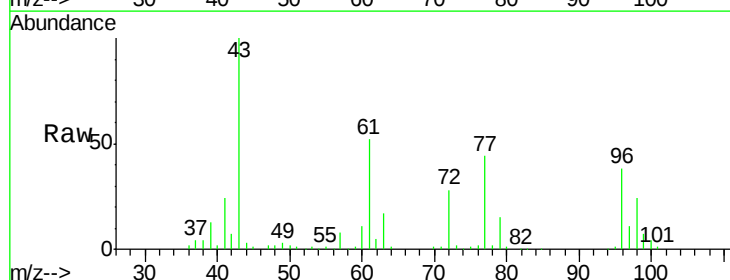
Manual Integrations
 APPROVED

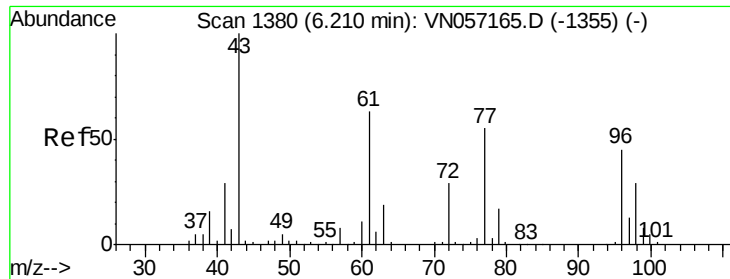
MMDadoda
 8/14/2019 9:23:23 AM



#30
 2-Butanone
 Concen: 106.128 ug/l
 RT: 6.20 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	4.1	6.8	10.2#
72	29.2	23.0	34.6





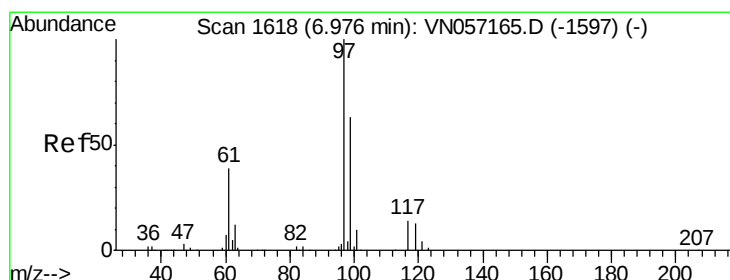
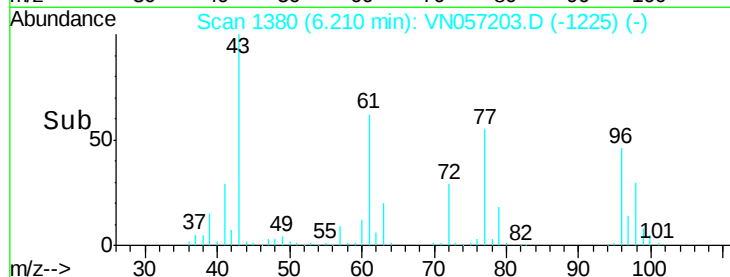
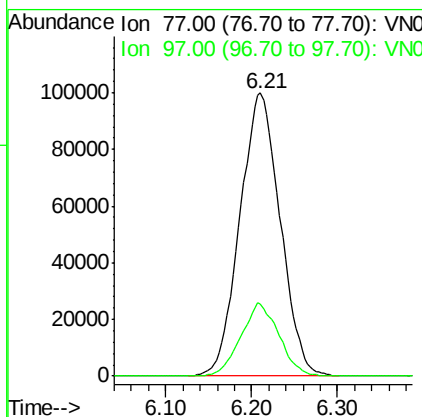
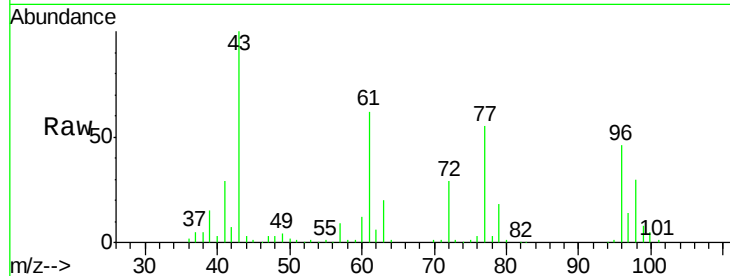
#31
 2,2-Dichloropropane
 Concen: 20.872 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.3	19.4	29.2

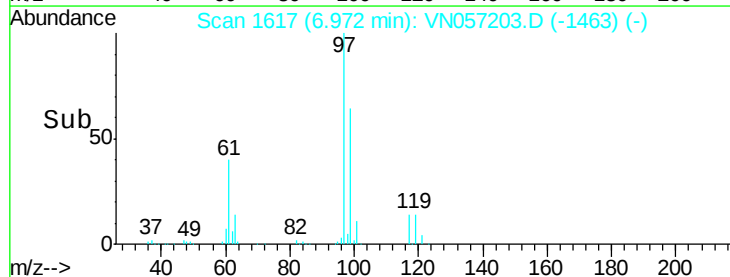
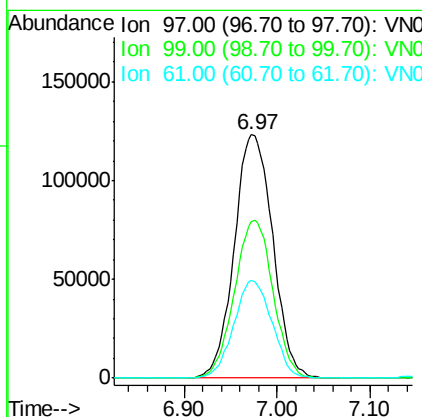
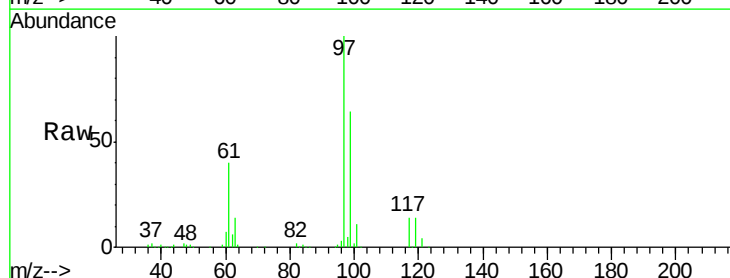
Manual Integrations
 APPROVED

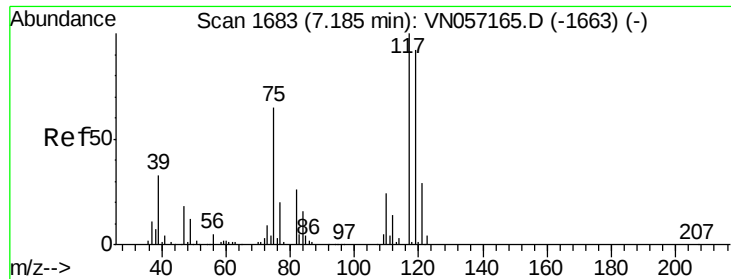
MMDadoda
 8/14/2019 9:23:23 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.038 ug/l
 RT: 6.97 min Scan# 1617
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	39.8	32.3	48.5





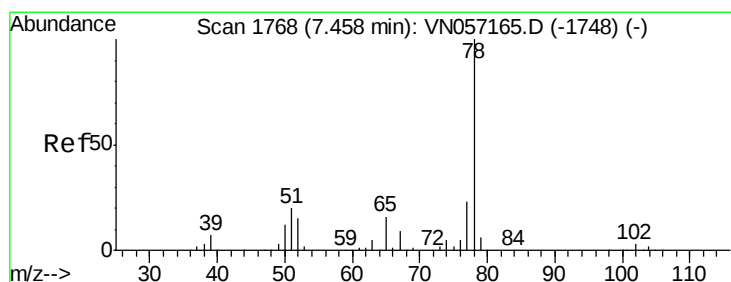
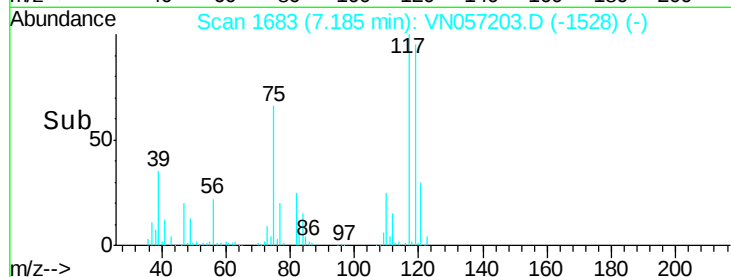
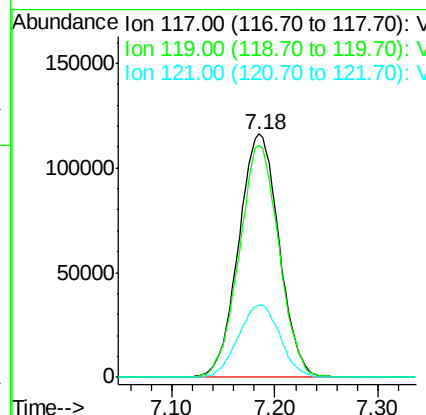
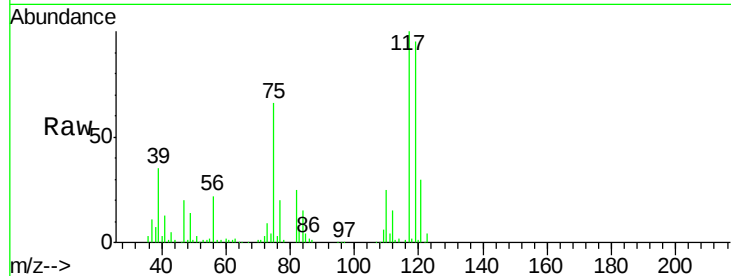
#33
Carbon Tetrachloride
Concen: 21.011 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	316075		
119	95.1	73.9	110.9	
121	29.6	23.4	35.2	

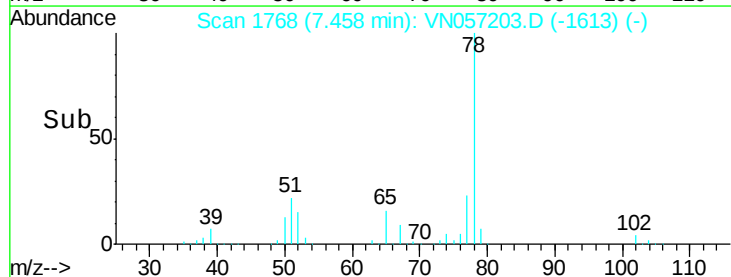
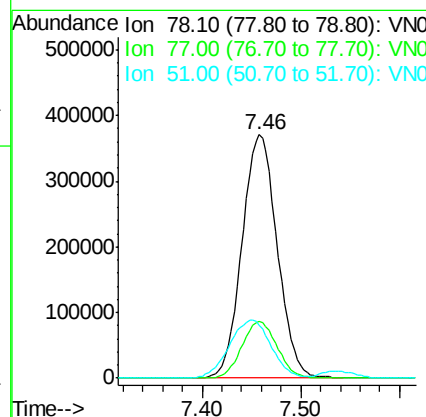
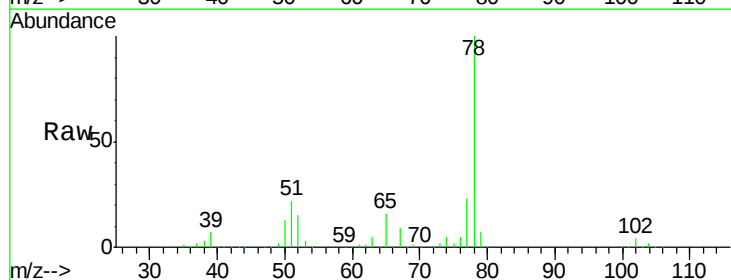
Manual Integrations
APPROVED

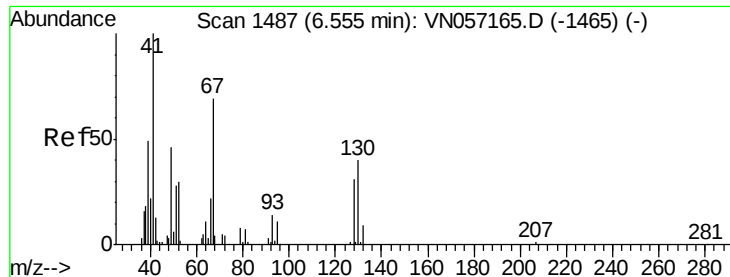
MMDadoda
8/14/2019 9:23:23 AM



#34
Benzene
Concen: 20.555 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	915592		
77	23.3	18.3	27.5	
51	21.7	16.2	24.2	





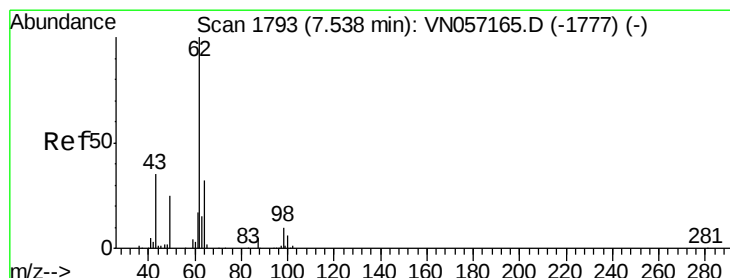
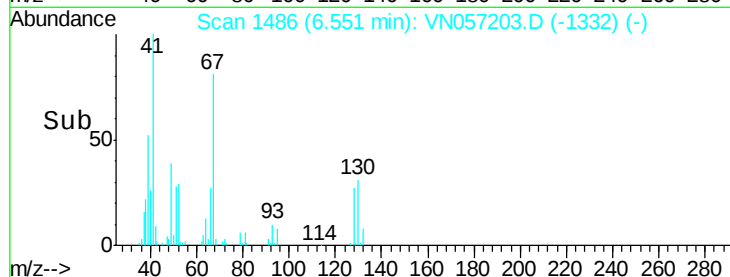
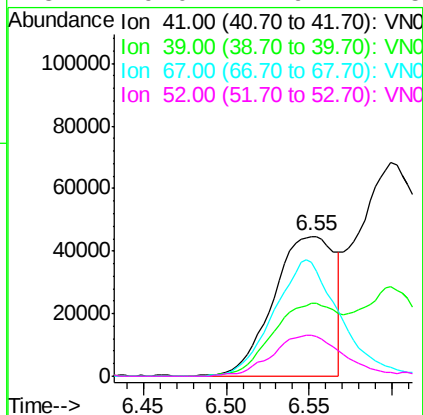
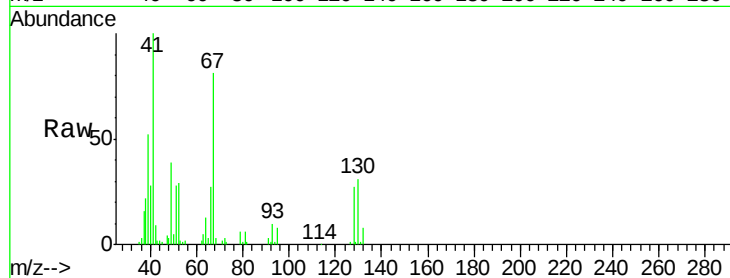
#35
Methacrylonitrile
Concen: 19.890 ug/l
RT: 6.55 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		115490		
39	51.4	24.6	74.0		
67	81.1	34.4	103.2		
52	29.0	14.9	44.5		

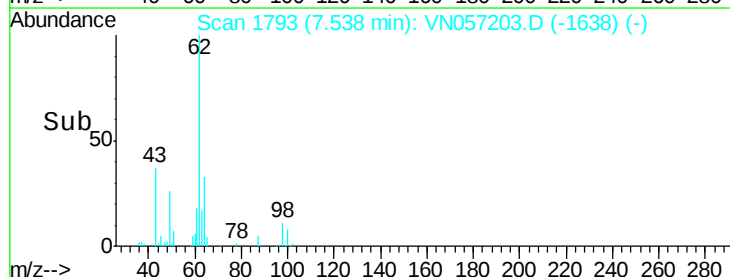
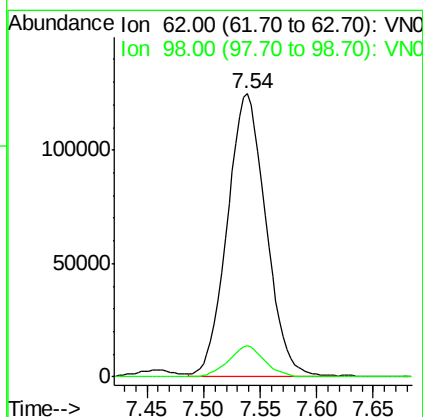
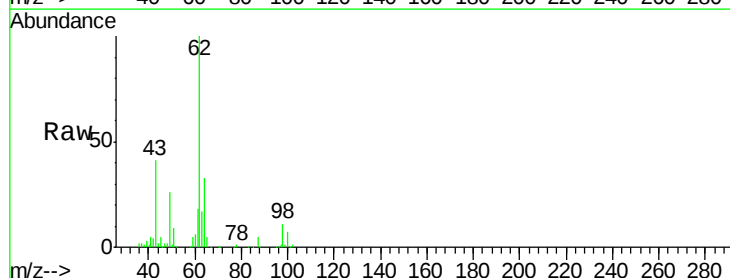
Manual Integrations
APPROVED

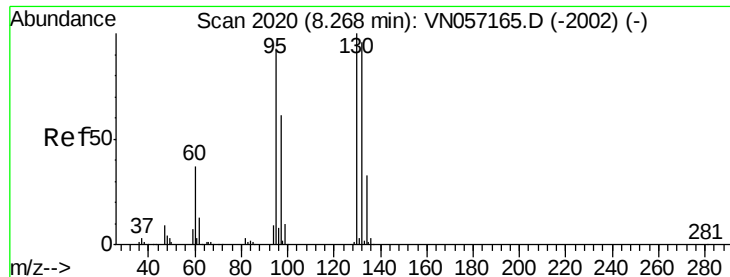
MMDadoda
8/14/2019 9:23:23 AM



#36
1,2-Dichloroethane
Concen: 20.804 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		296043		
98	10.2	8.2	12.4		





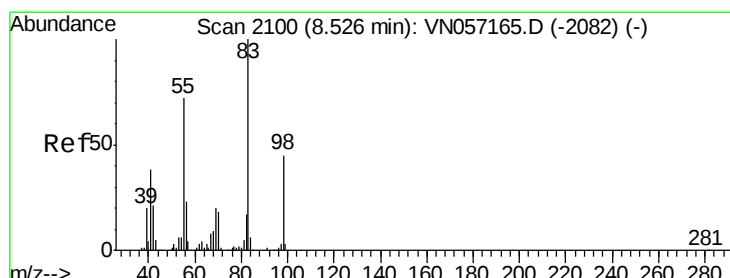
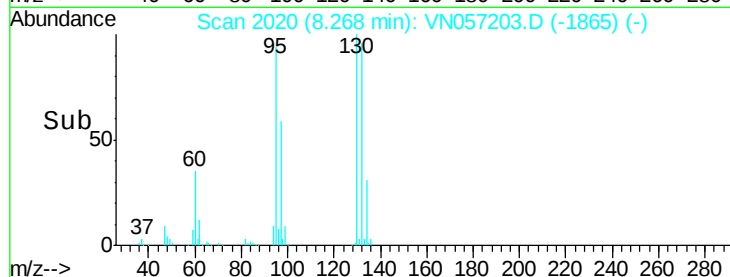
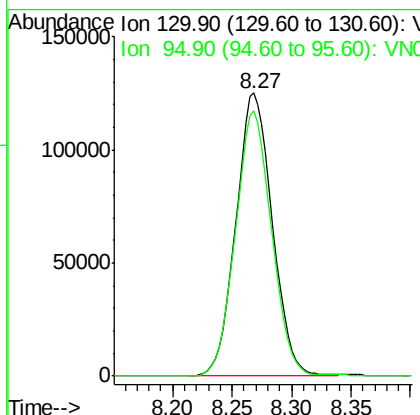
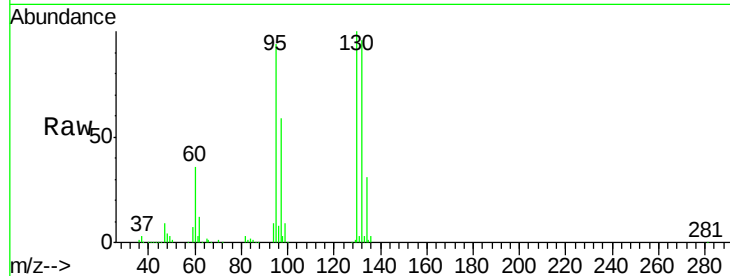
#37
 Trichloroethene
 Concen: 20.942 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	265083		
95	93.7	74.6	112.0	

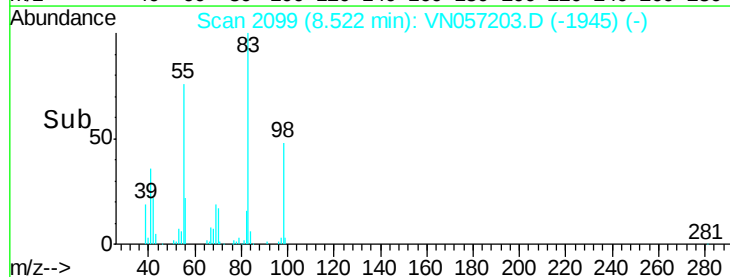
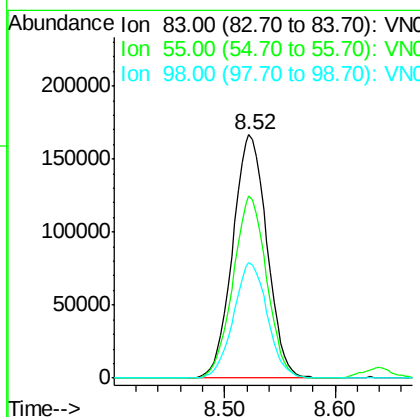
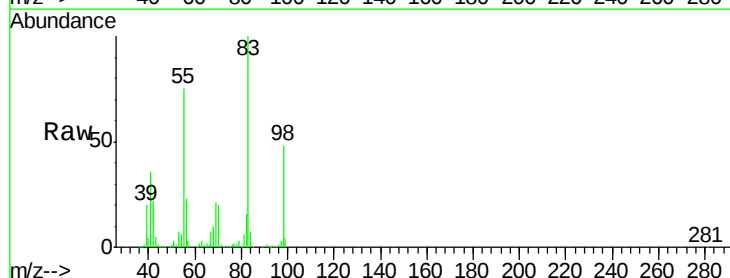
Manual Integrations
 APPROVED

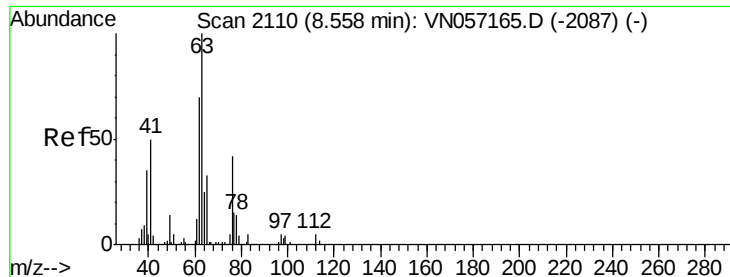
MMDadoda
 8/14/2019 9:23:23 AM



#38
 Methylcyclohexane
 Concen: 20.585 ug/l
 RT: 8.52 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	358452		
55	73.4	36.5	109.7	
98	46.8	23.4	70.0	





#39

1,2-Dichloropropane

Concen: 20.901 ug/l

RT: 8.56 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 239975

Ion Ratio Lower Upper

63 100

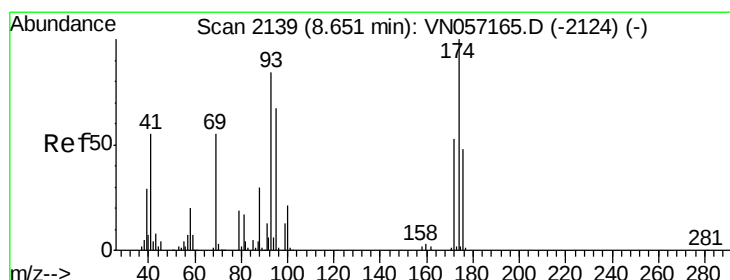
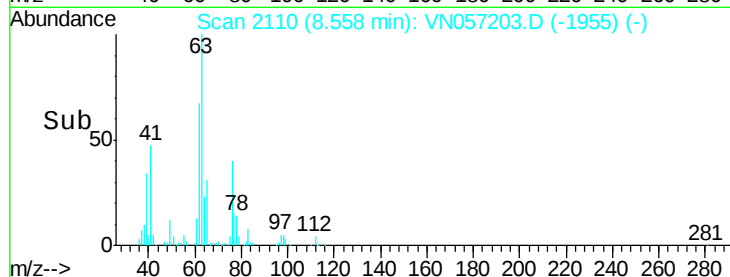
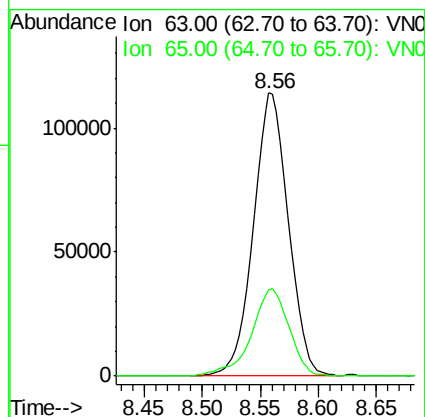
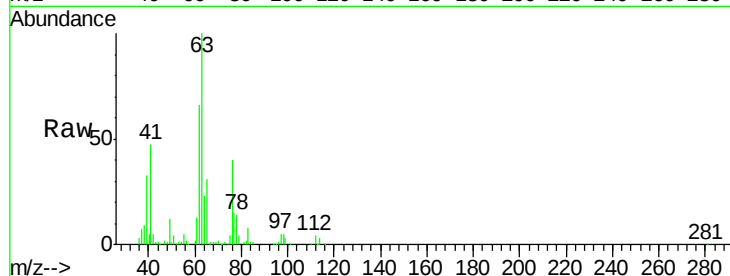
65 30.6 26.2 39.4

Manual Integrations

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#40

Dibromomethane

Concen: 20.679 ug/l

RT: 8.65 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

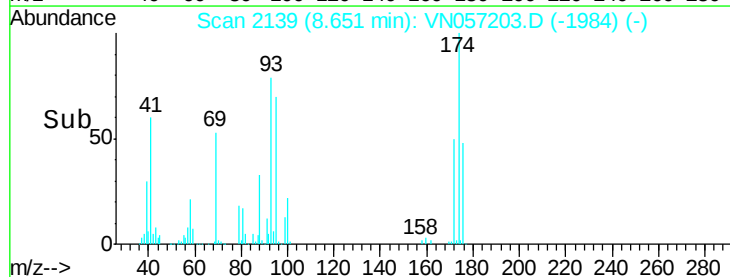
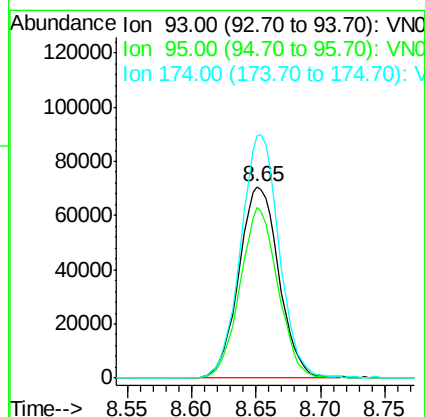
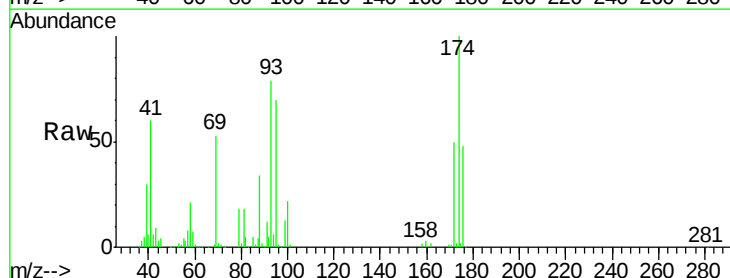
Tgt Ion: 93 Resp: 152851

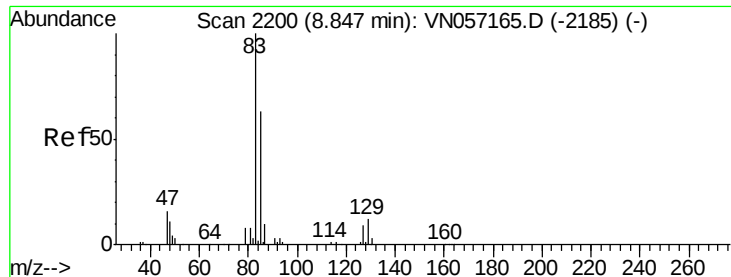
Ion Ratio Lower Upper

93 100

95 83.9 0.0 165.0

174 122.1 0.0 245.4





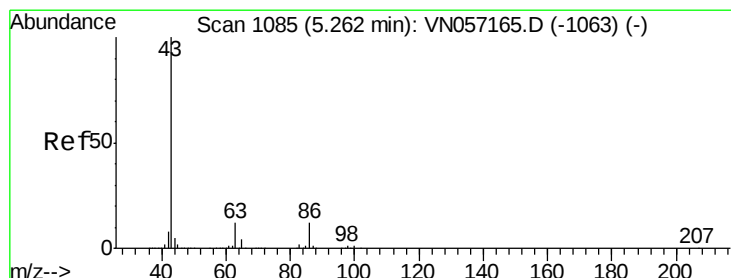
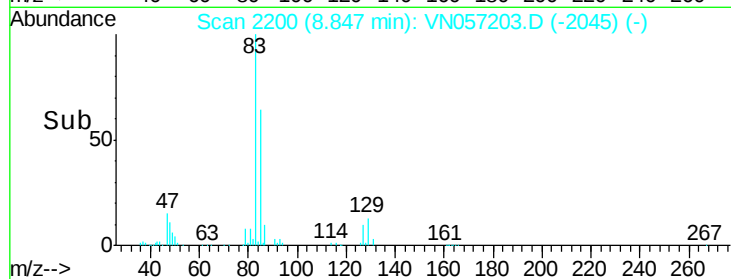
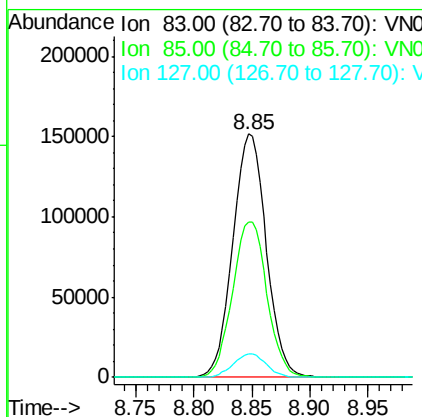
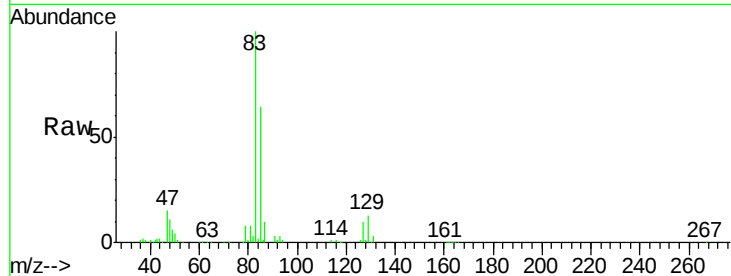
#41
 Bromodichloromethane
 Concen: 20.648 ug/l
 RT: 8.85 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	303467
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.6	76.0
127	9.6	7.0	10.6

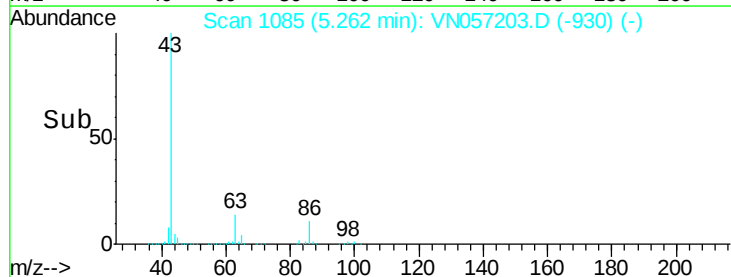
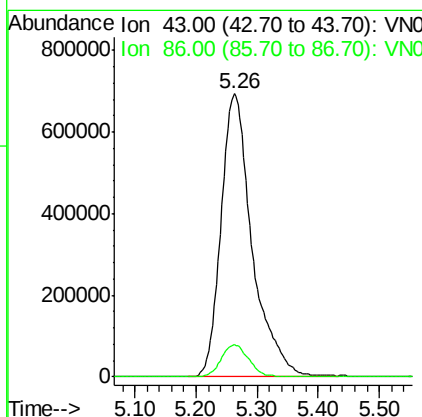
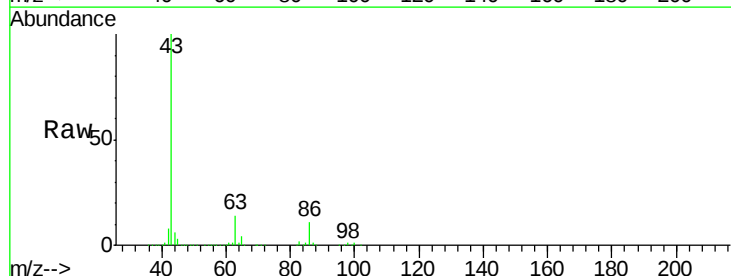
Manual Integrations
 APPROVED

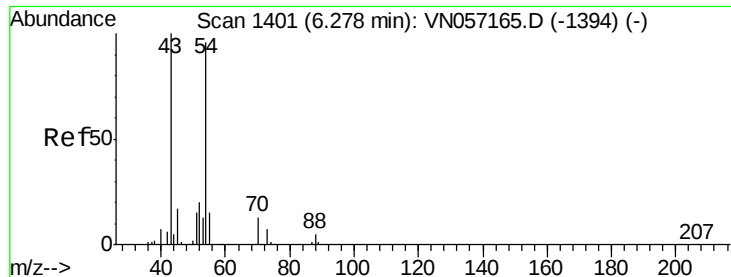
MMDadoda
 8/14/2019 9:23:23 AM



#42
 Vinyl Acetate
 Concen: 102.972 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	43	Resp	2459310
Ion Ratio	100	Lower	Upper
43	100		
86	10.0	8.0	12.0





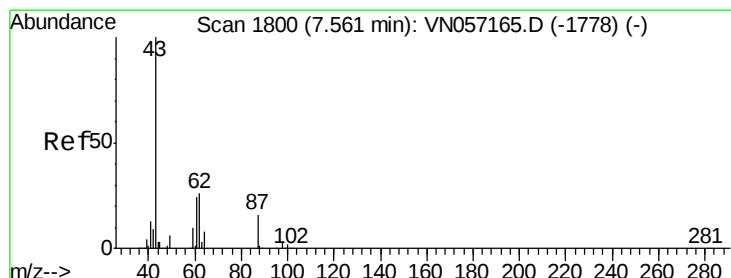
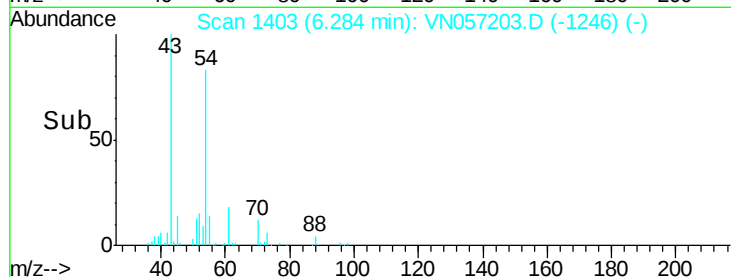
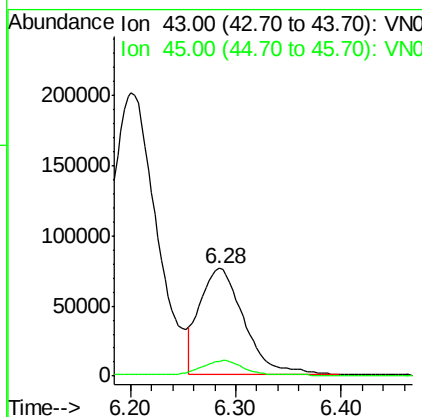
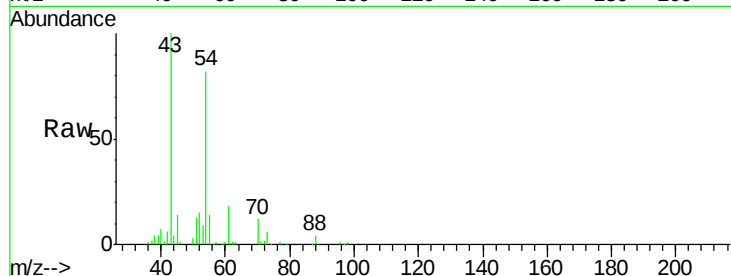
#43
Ethyl Acetate
Concen: 20.856 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	100	13.4	Resp	220976	Lower	10.1	Upper	15.1
Ion	43	45	Ratio	100	13.4	Resp	220976	Lower	10.1	Upper	15.1

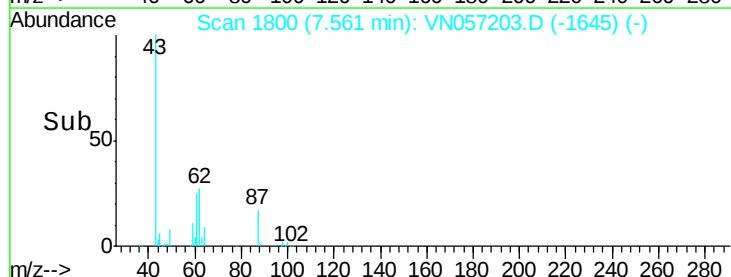
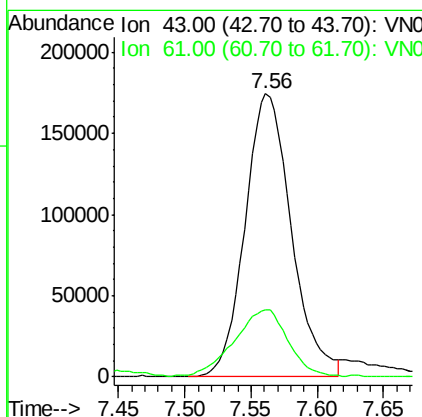
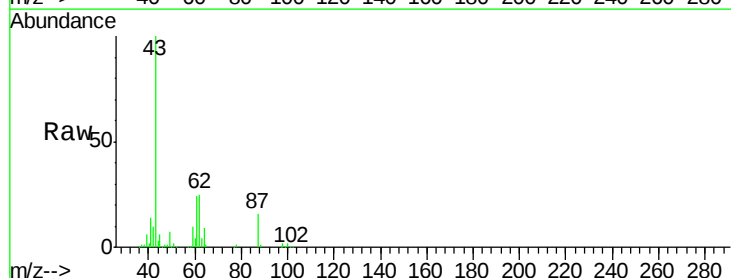
Manual Integrations
APPROVED

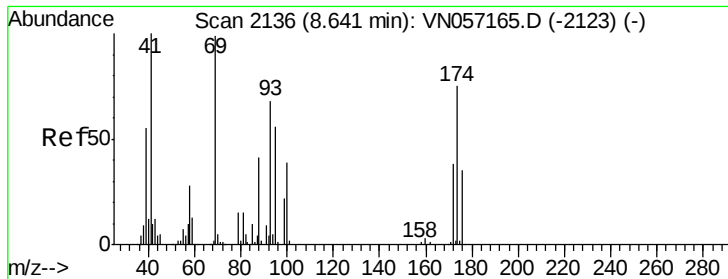
MMDadoda
8/14/2019 9:23:23 AM



#44
Isopropyl Acetate
Concen: 21.993 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	43	61	Ratio	100	27.2	Resp	423106	Lower	22.2	Upper	33.4
Ion	43	61	Ratio	100	27.2	Resp	423106	Lower	22.2	Upper	33.4





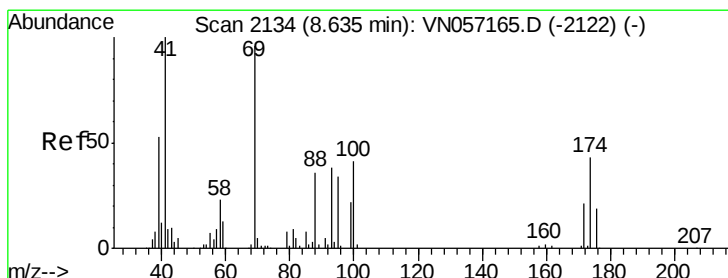
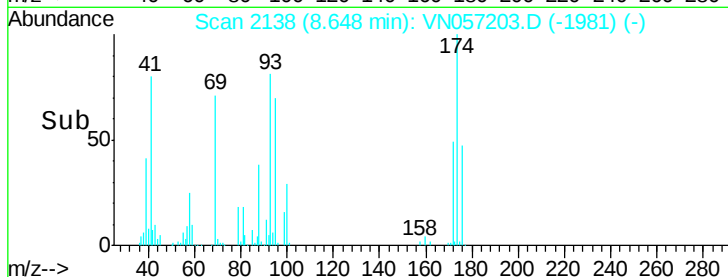
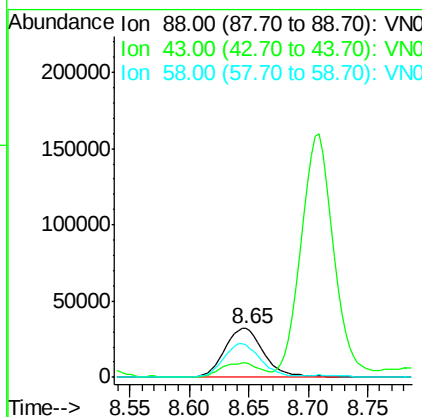
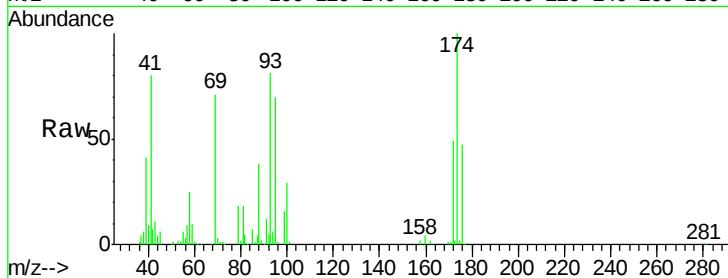
#45
 1,4-Dioxane
 Concen: 411.063 ug/l
 RT: 8.65 min Scan# 2138
 Delta R.T. 0.01 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.1	20.5	30.7
58	65.6	53.8	80.8

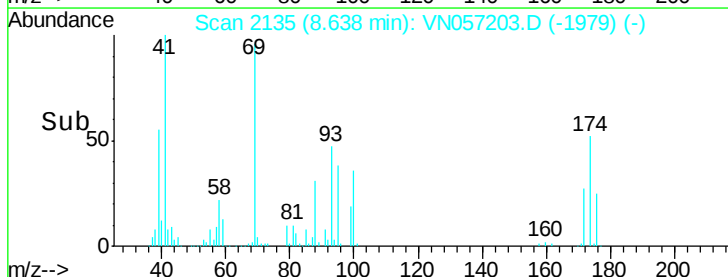
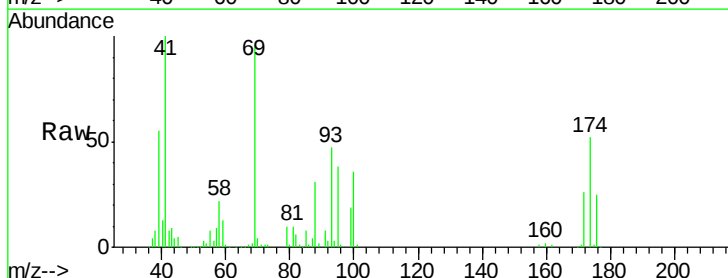
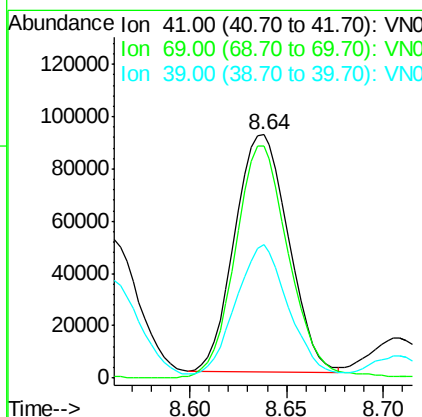
Manual Integrations
 APPROVED

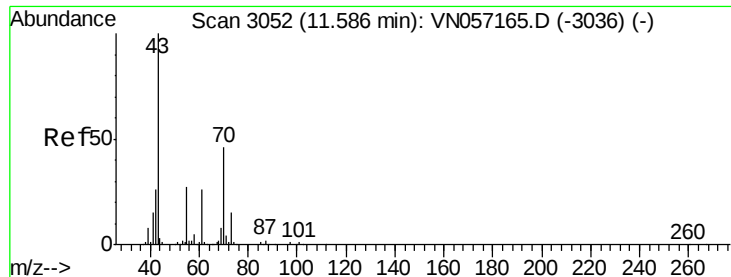
MMDadoda
 8/14/2019 9:23:23 AM



#46
 Methyl methacrylate
 Concen: 20.019 ug/l
 RT: 8.64 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.5	48.1	144.4
39	54.9	26.5	79.5





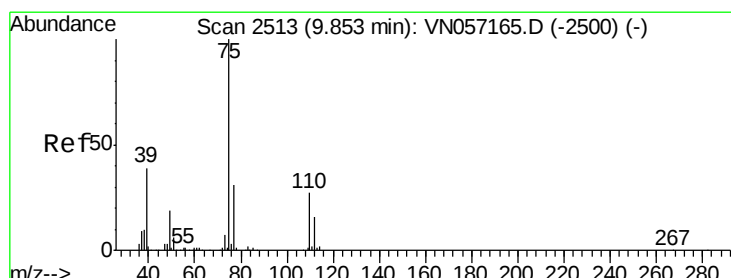
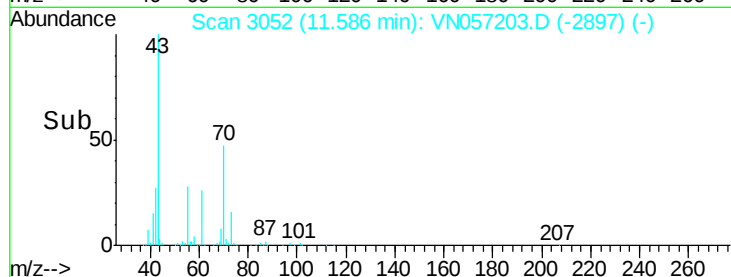
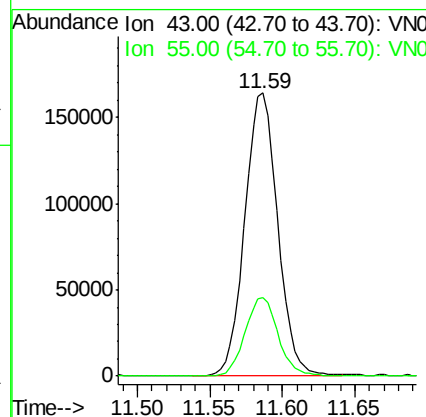
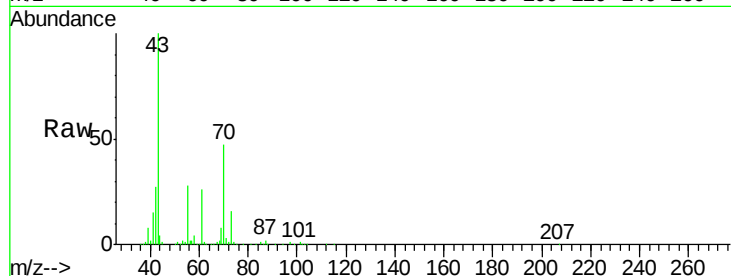
#47
n-amyl Acetate
Concen: 18.321 ug/l
RT: 11.59 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	Resp	259307
Ion Ratio	100	Lower	Upper
43	100		
55	28.0	20.7	31.1

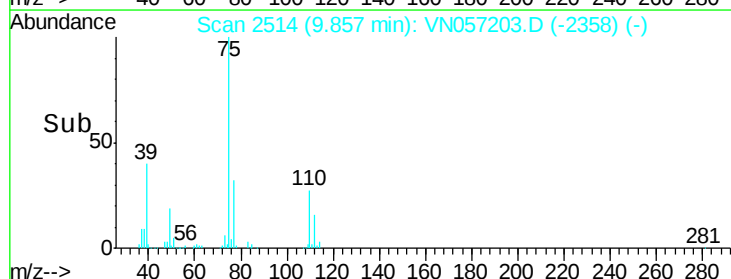
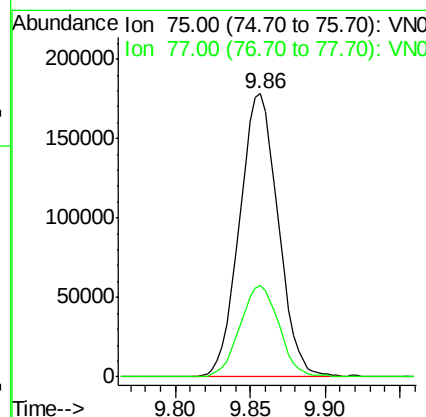
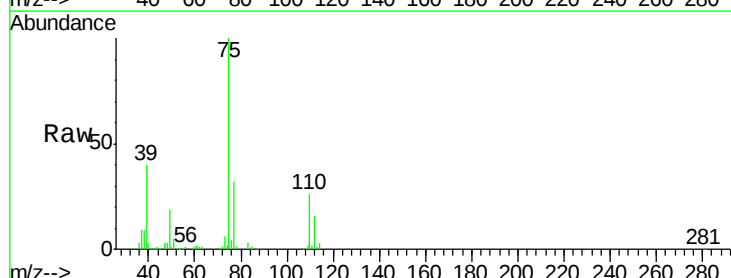
Manual Integrations
APPROVED

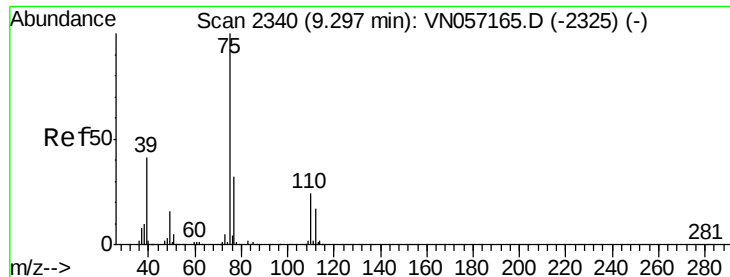
MMDadoda
8/14/2019 9:23:23 AM



#48
t-1,3-Dichloropropene
Concen: 20.450 ug/l
RT: 9.86 min Scan# 2514
Delta R.T. 0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	75	Resp	320500
Ion Ratio	100	Lower	Upper
75	100		
77	32.4	24.9	37.3





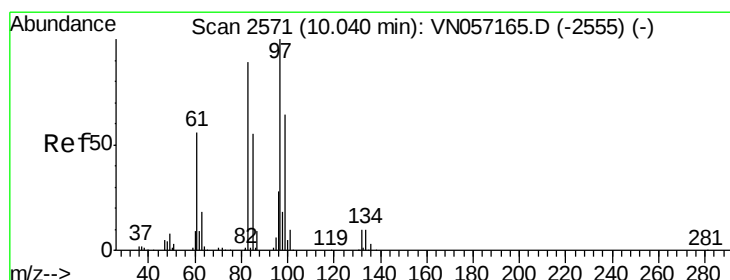
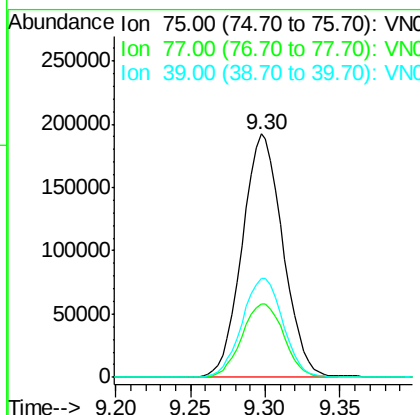
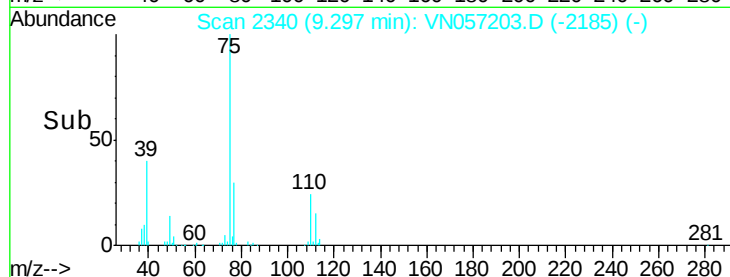
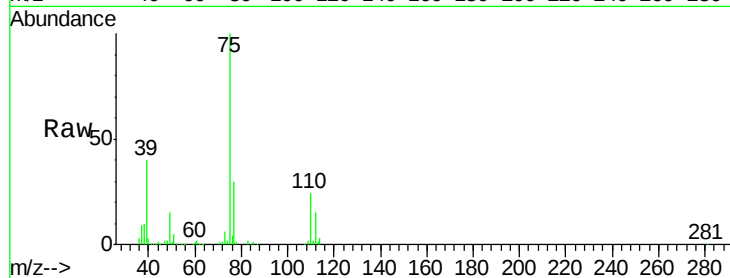
#49
 cis-1,3-Dichloropropene
 Concen: 20.462 ug/l
 RT: 9.30 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.8	38.8
39	40.5	33.0	49.6

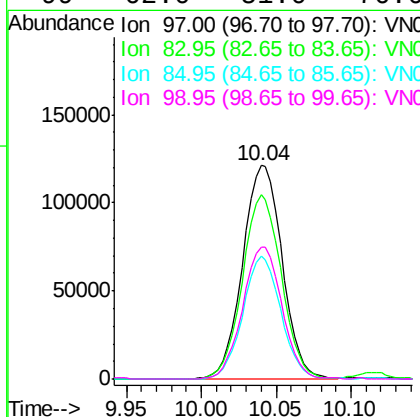
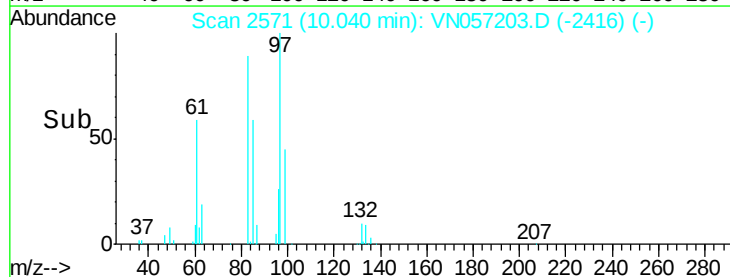
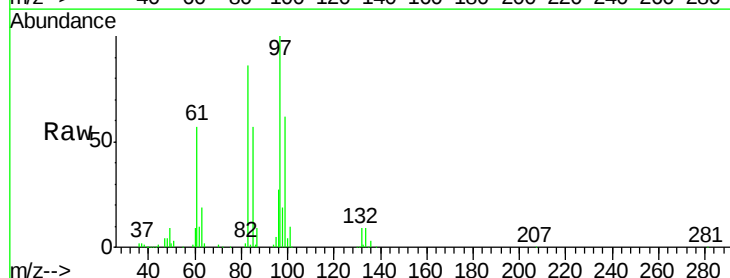
Manual Integrations
 APPROVED

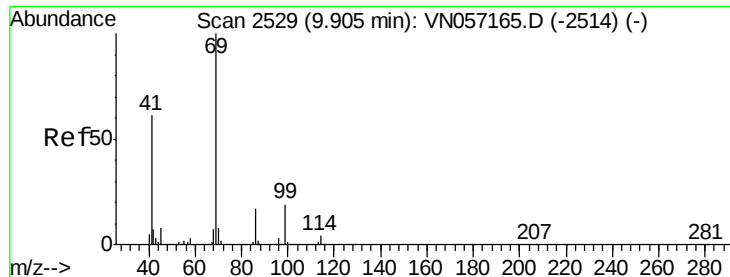
MMDadoda
 8/14/2019 9:23:23 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.123 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.4	107.0
85	57.5	43.8	65.8
99	62.0	51.0	76.6





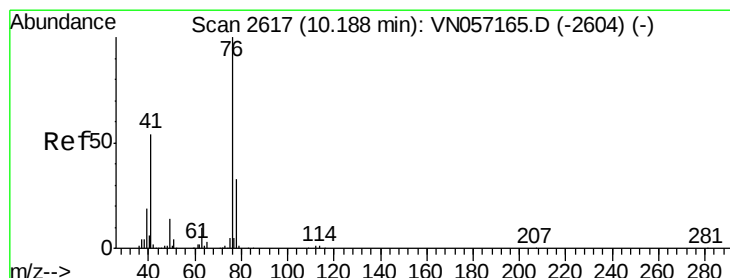
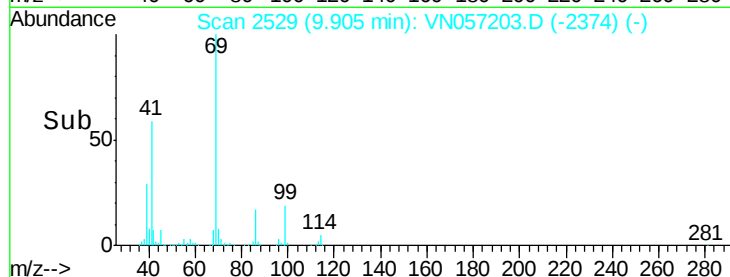
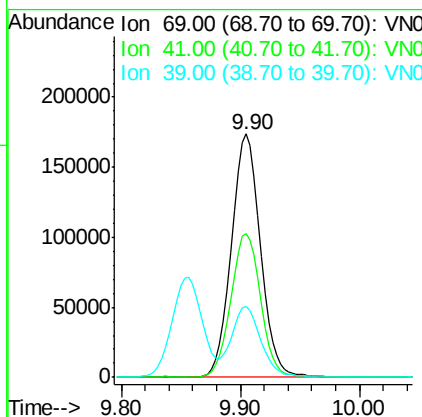
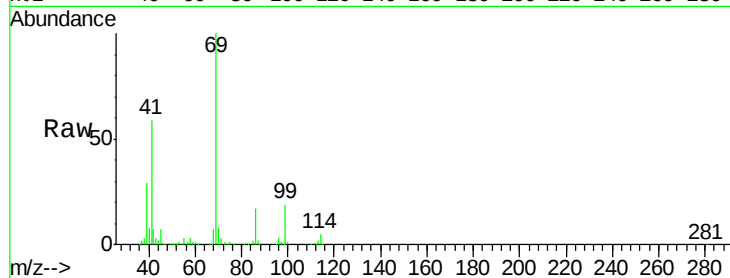
#51
Ethyl methacrylate
Concen: 19.780 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
69	100	294888		
41	59.1		30.4	91.2
39	29.0		14.8	44.4

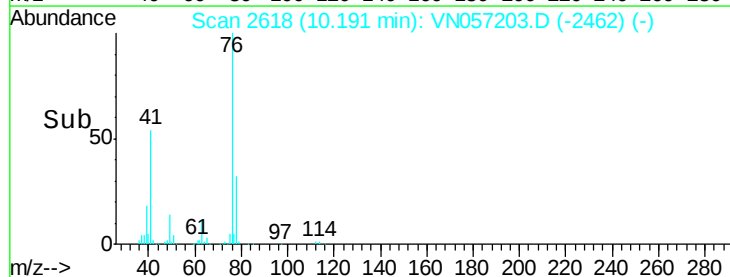
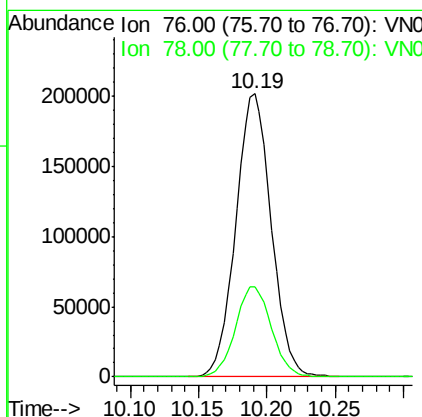
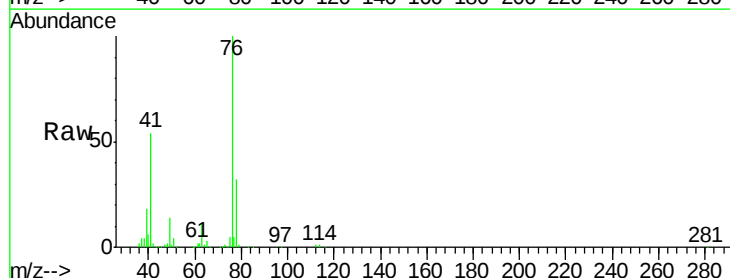
Manual Integrations
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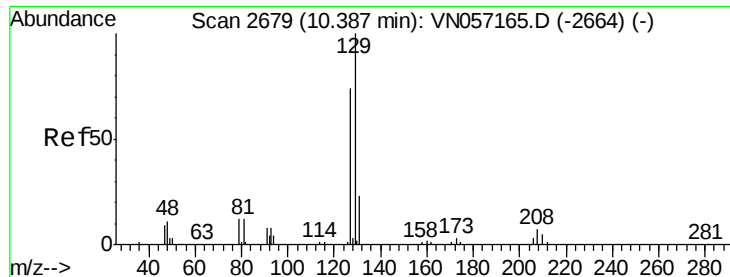
MMDadoda
8/14/2019 9:23:23 AM



#52
1,3-Dichloropropane
Concen: 20.666 ug/l
RT: 10.19 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
76	100	363903		
78	32.4		0.0	65.0





#53

Dibromochloromethane

Concen: 20.786 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 247440

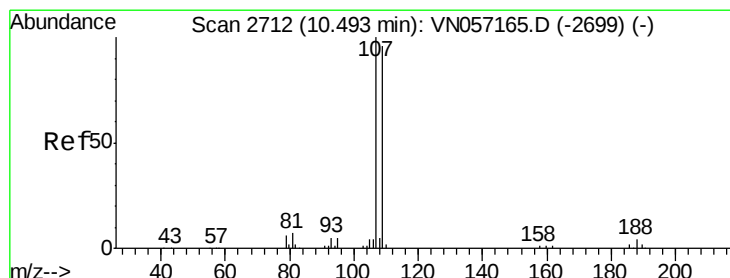
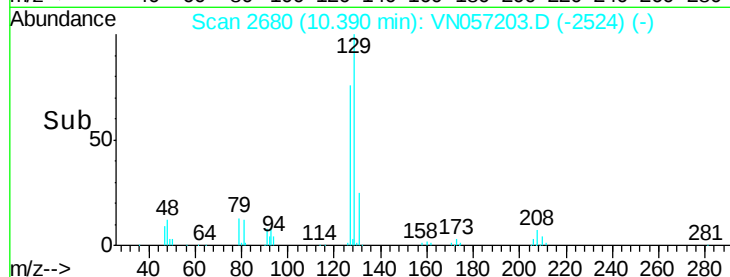
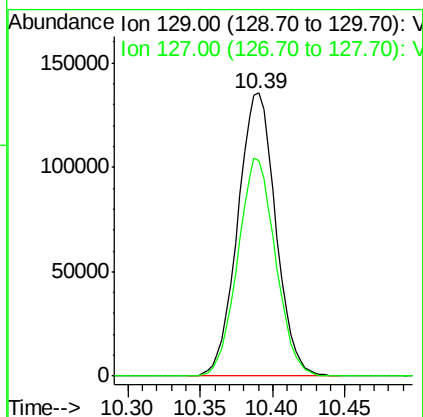
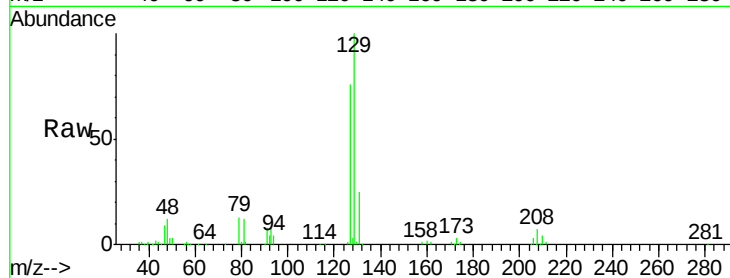
Ion Ratio Lower Upper

129 100

127 76.3 38.2 114.6

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:23 AM



#54

1,2-Dibromoethane

Concen: 20.453 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. 0.00 min

Lab File: VN057203.D

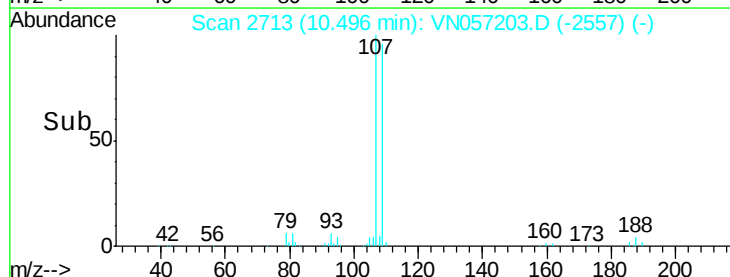
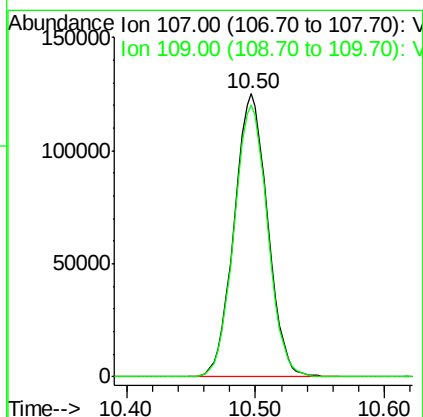
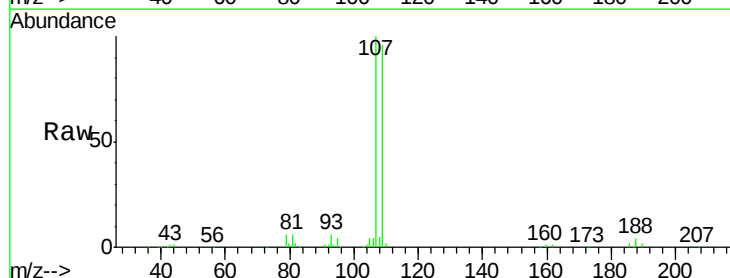
Acq: 12 Aug 2019 9:22

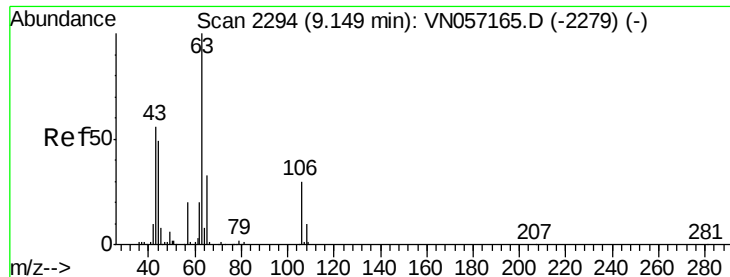
Tgt Ion:107 Resp: 225546

Ion Ratio Lower Upper

107 100

109 96.1 76.8 115.2





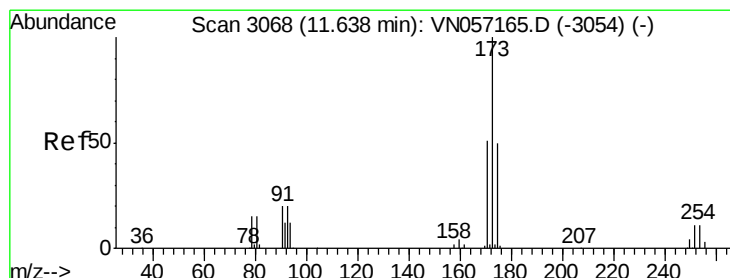
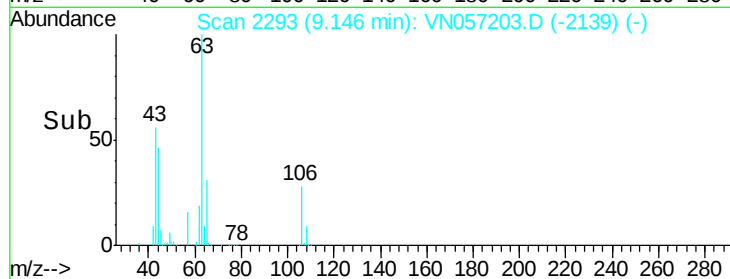
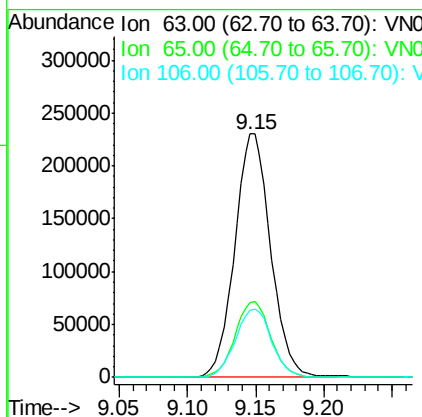
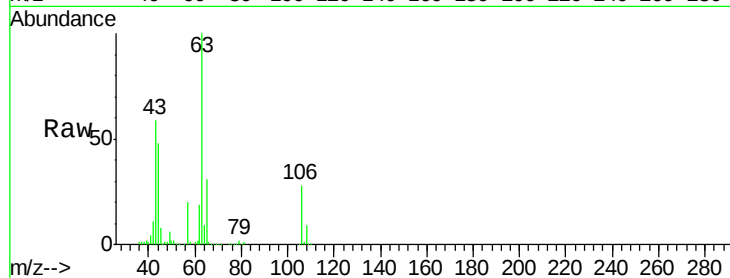
#55
 2-Chloroethyl vinyl ether
 Concen: 99.611 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	63	Resp:	419310
Ion	Ratio	Lower	Upper
63	100		
65	31.0	26.0	39.0
106	28.4	23.3	34.9

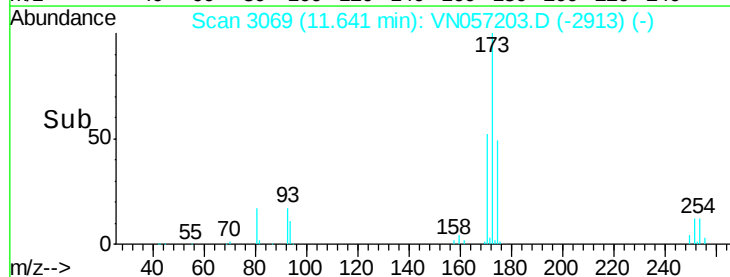
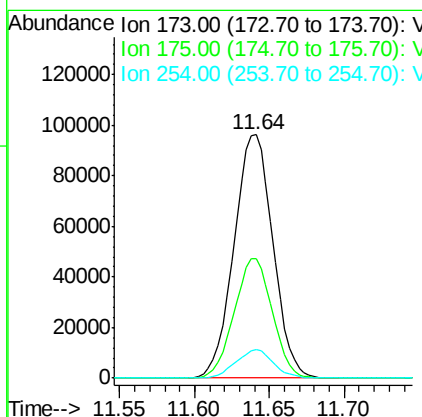
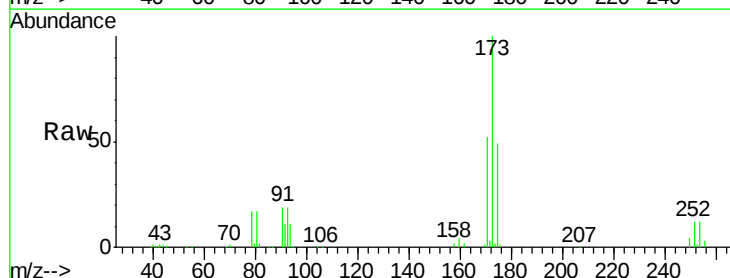
Manual Integrations
 APPROVED

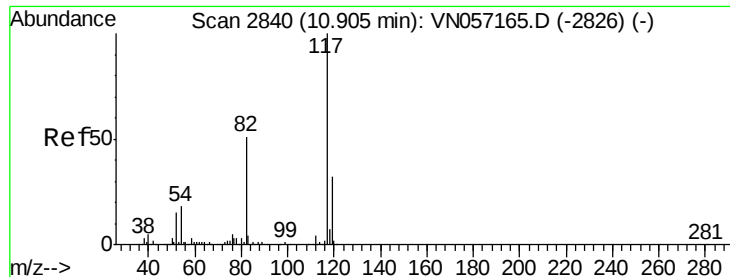
MMDadoda
 8/14/2019 9:23:23 AM



#56
 Bromoform
 Concen: 19.805 ug/l
 RT: 11.64 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion:	173	Resp:	174216
Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.0	58.4
254	11.1	8.6	13.0





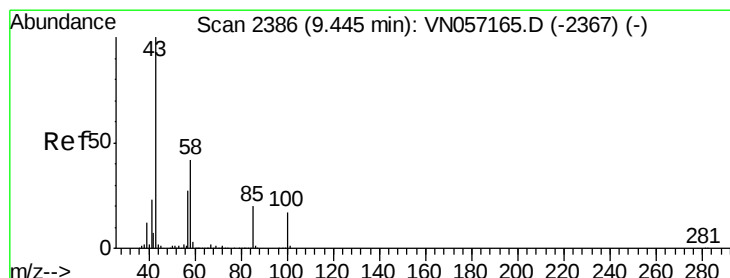
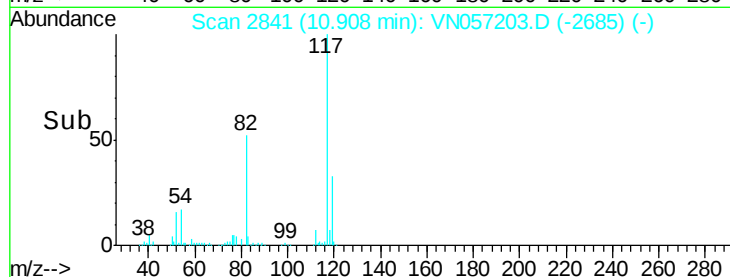
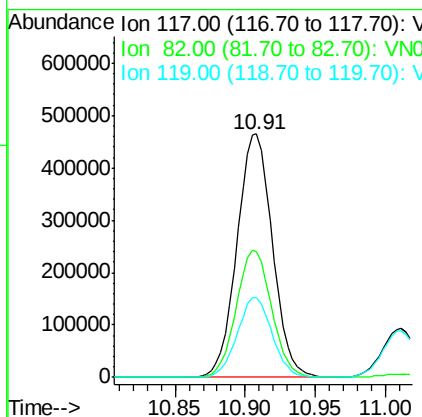
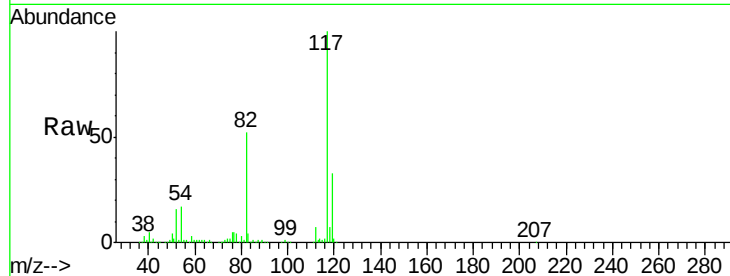
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.5	62.3
119	32.2	26.1	39.1

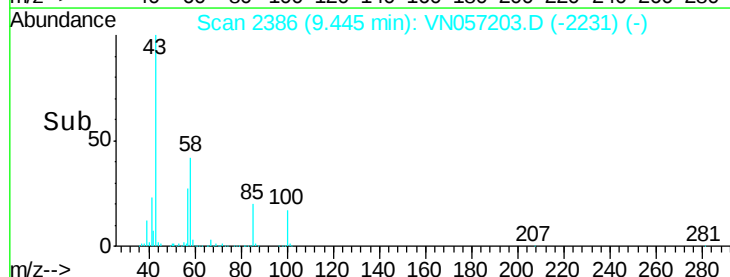
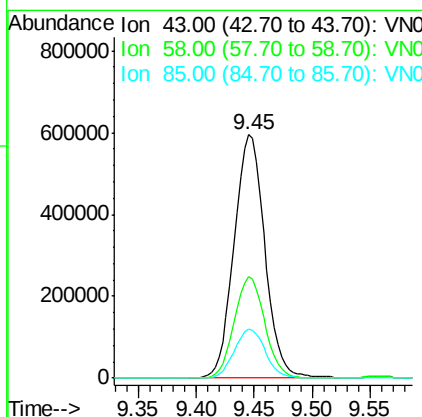
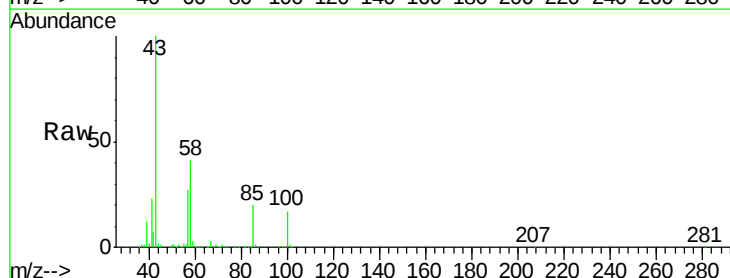
Manual Integrations
APPROVED

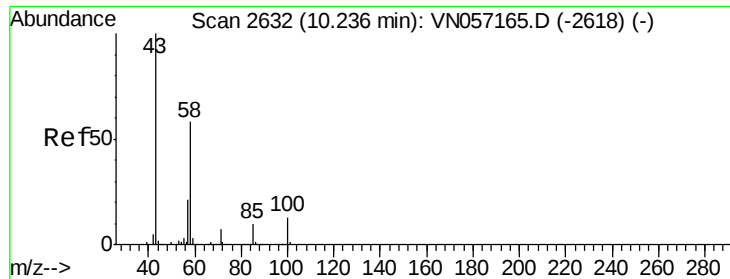
MMDadoda
8/14/2019 9:23:23 AM



#58
4-Methyl-2-Pentanone
Concen: 103.406 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.8	49.2
85	20.3	16.4	24.6





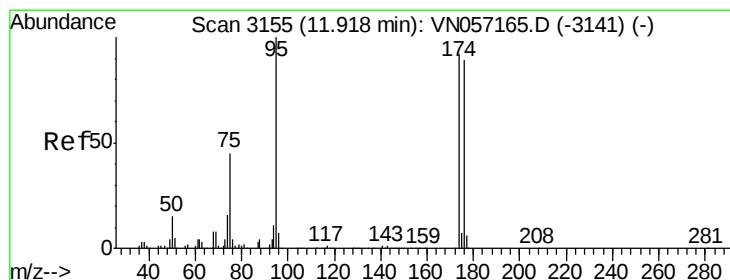
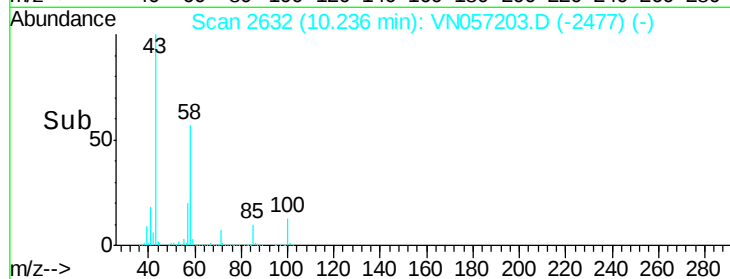
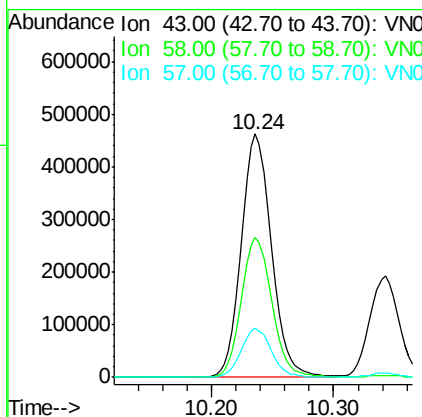
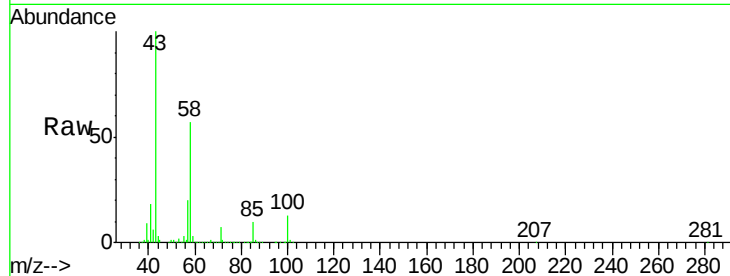
#59
2-Hexanone
Concen: 103.800 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	45.4	68.2
57	20.2	16.1	24.1

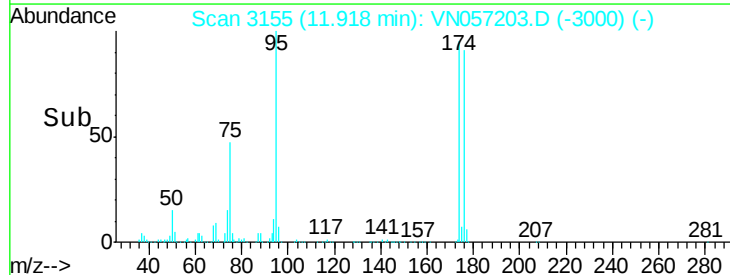
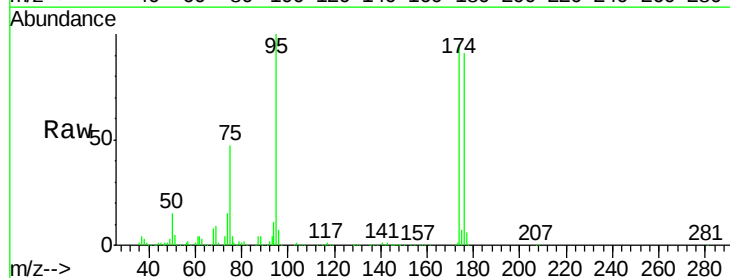
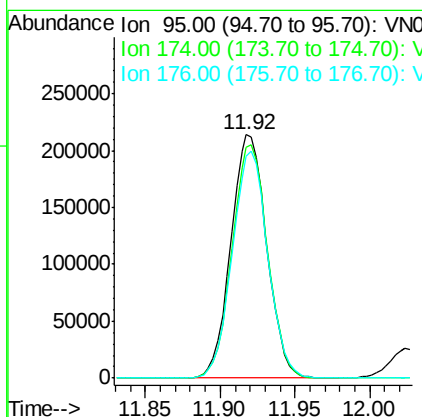
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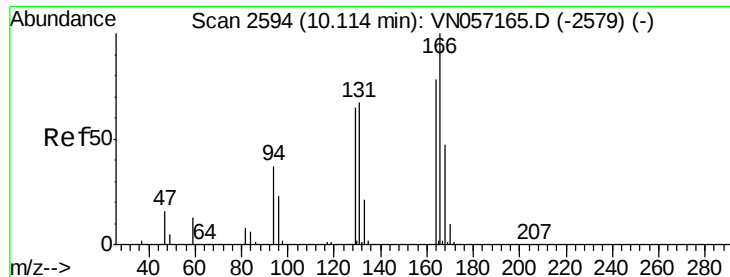
MMDadoda
8/14/2019 9:23:23 AM



#60
4-Bromofluorobenzene
Concen: 29.155 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.3	74.9	112.3
176	92.6	72.1	108.1





#61

Tetrachloroethene

Concen: 22.040 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

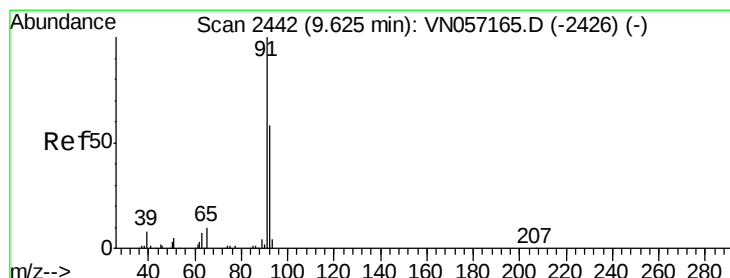
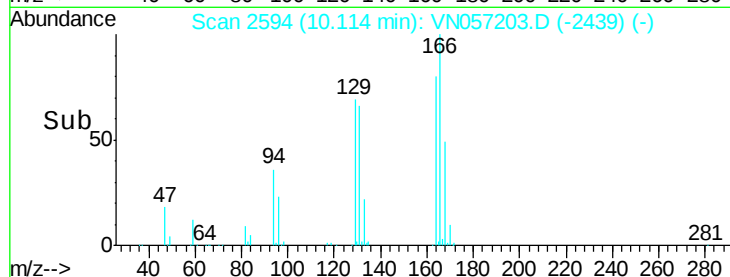
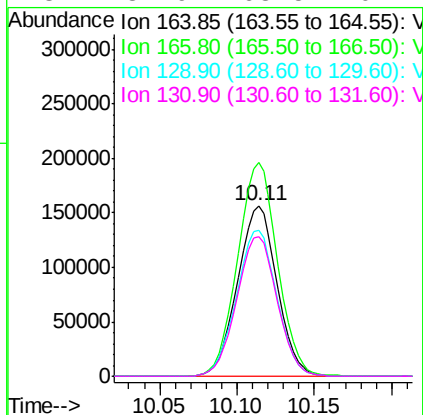
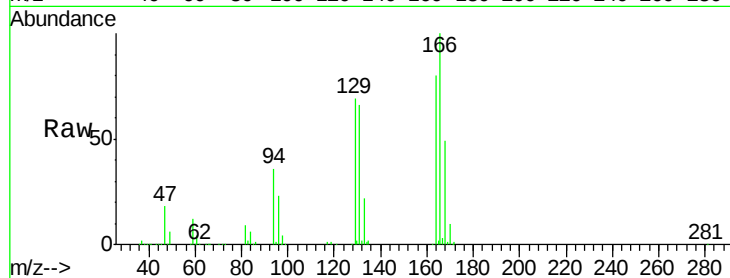
ClientSampleId :

VSTDCCC020

Tot Ion	164	Resp	277689
Ion Ratio	Lower	Upper	
164	100		
166	124.9	103.0	154.6
129	85.6	67.3	100.9
131	81.9	68.5	102.7

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#62

Toluene

Concen: 21.089 ug/l

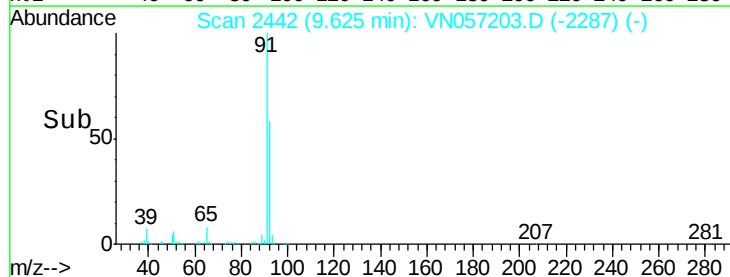
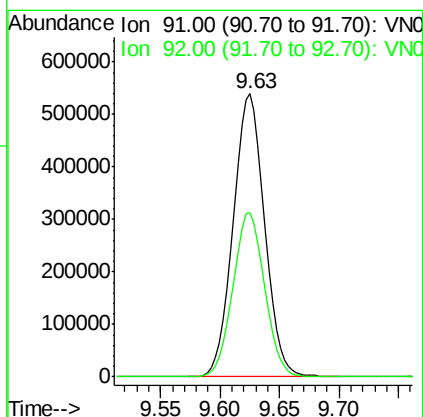
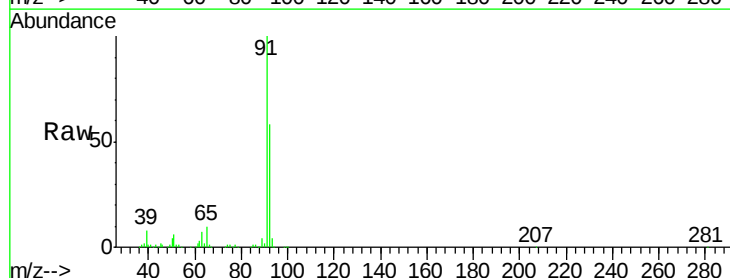
RT: 9.63 min Scan# 2442

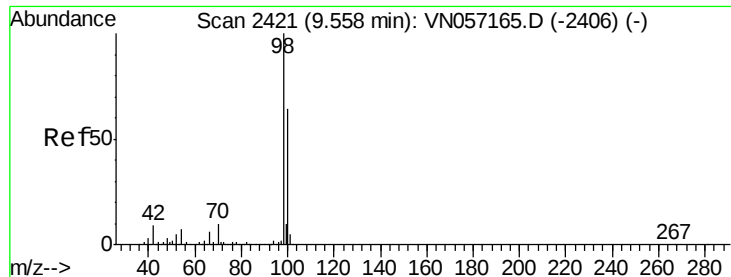
Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Tgt Ion	91	Resp	985378
Ion Ratio	Lower	Upper	
91	100		
92	58.6	46.1	69.1





#63

Toluene-d8

Concen: 30.842 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 1168737

Ion Ratio Lower Upper

98 100

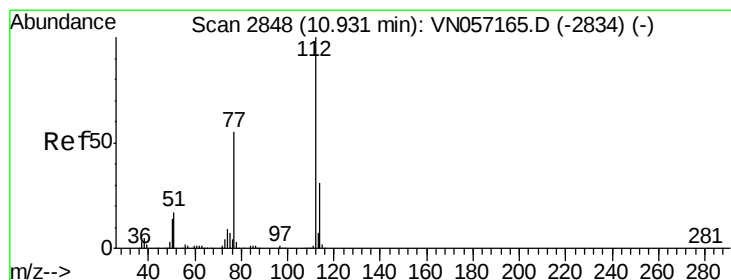
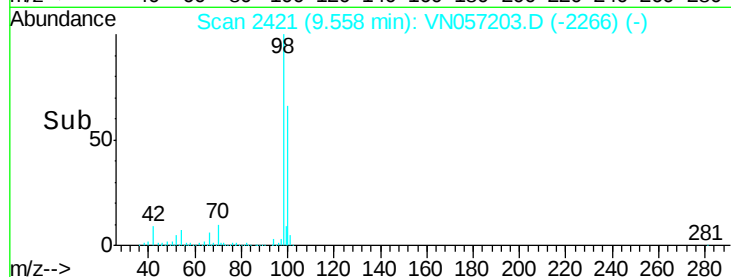
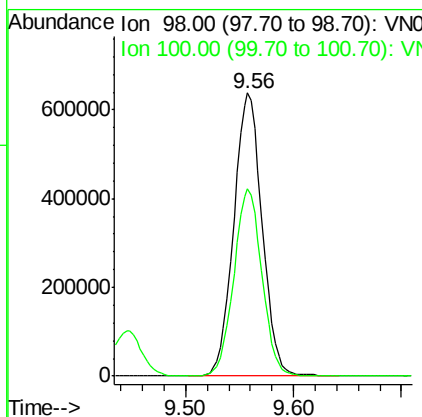
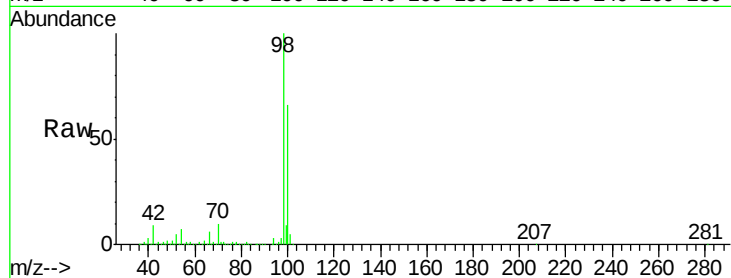
100 65.6 52.4 78.6

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#64

Chlorobenzene

Concen: 20.975 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VN057203.D

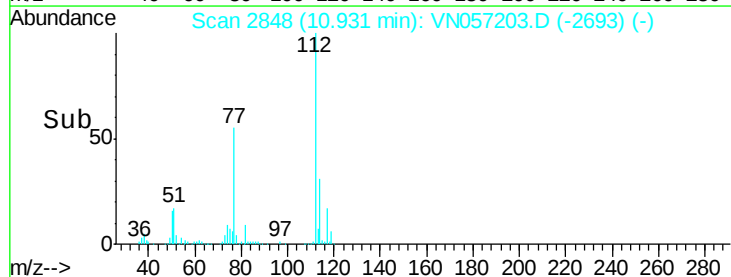
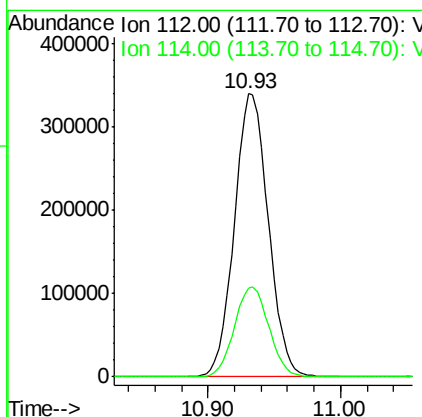
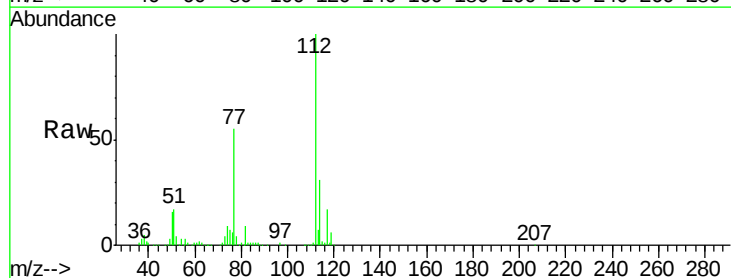
Acq: 12 Aug 2019 9:22

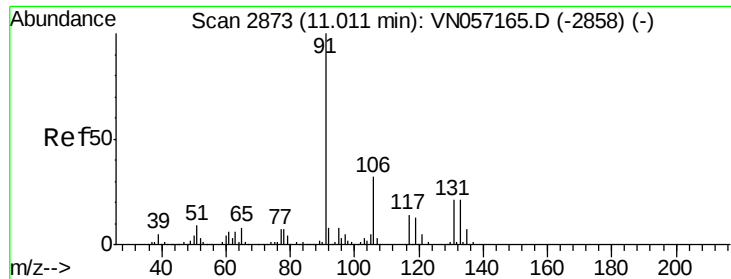
Tgt Ion: 112 Resp: 602785

Ion Ratio Lower Upper

112 100

114 31.5 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 22.060 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

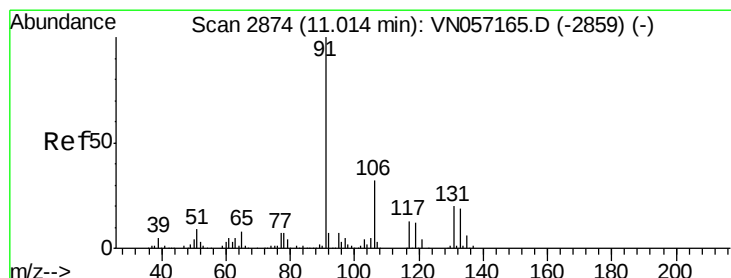
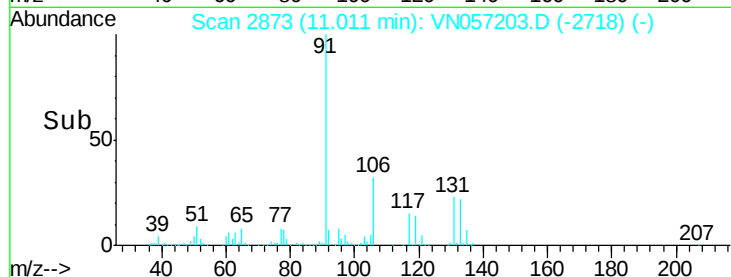
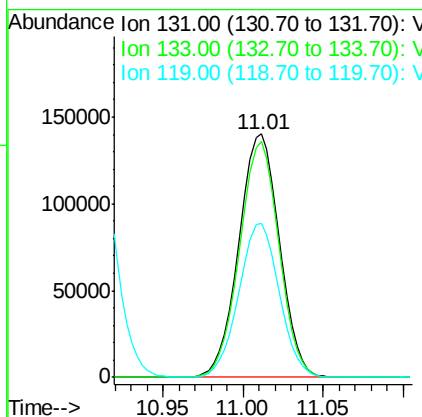
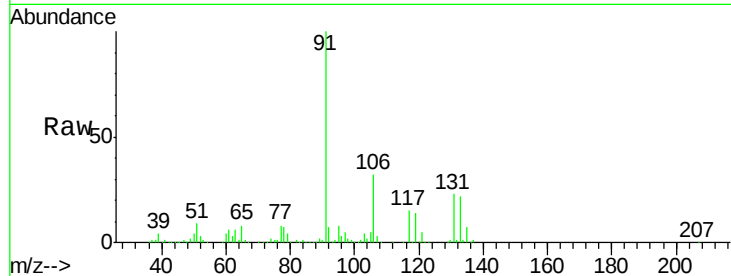
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	243111
Ion Ratio	Lower	Upper	
131	100		
133	94.0	0.0	196.0
119	62.8	0.0	132.6

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#66

Ethyl Benzene

Concen: 21.012 ug/l

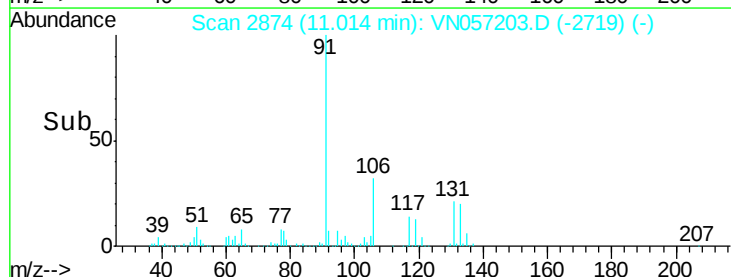
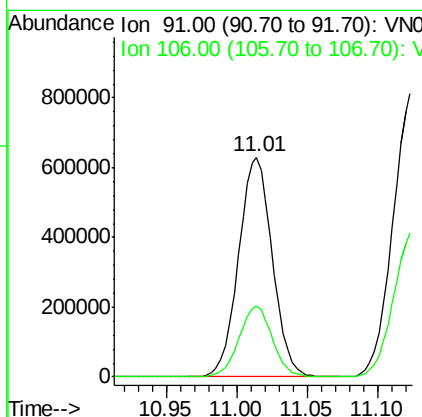
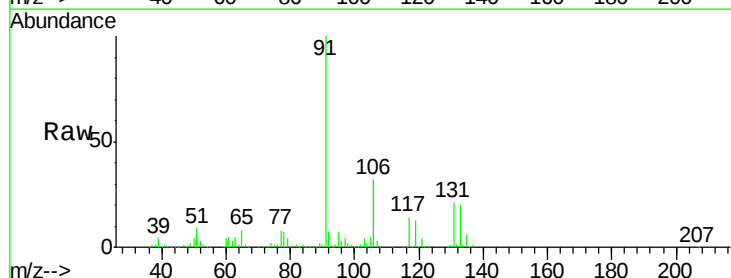
RT: 11.01 min Scan# 2874

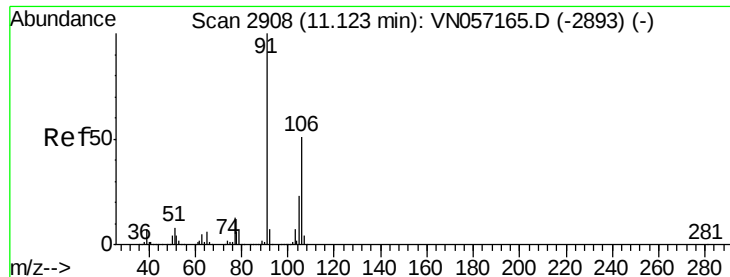
Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Tgt Ion:	91	Resp:	1052391
Ion Ratio	Lower	Upper	
91	100		
106	32.4	25.3	37.9





#67

m/p-Xylenes

Concen: 42.466 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 802092

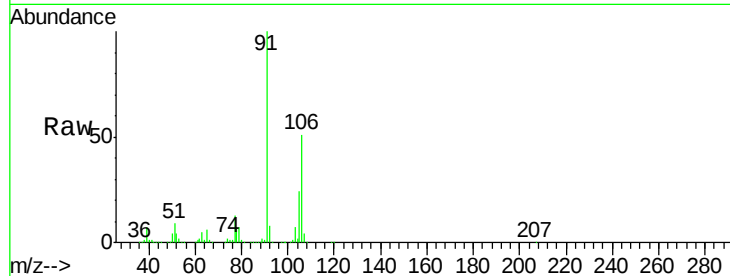
Ion Ratio Lower Upper

106 100

91 198.4 160.5 240.7

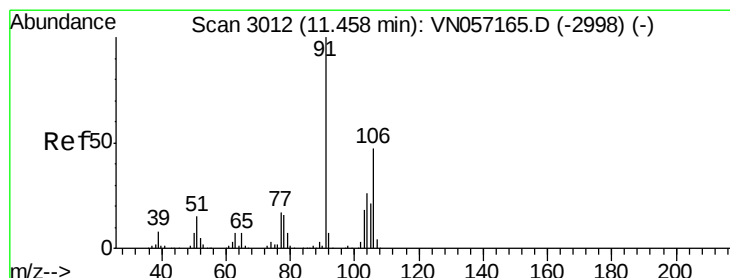
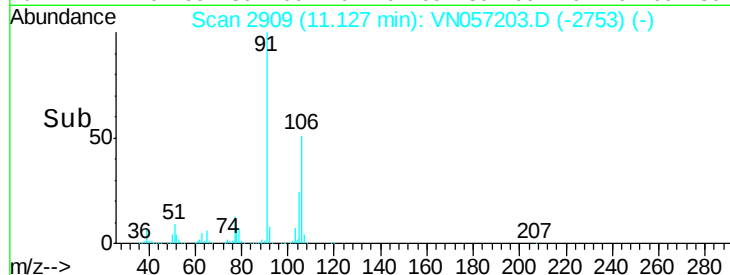
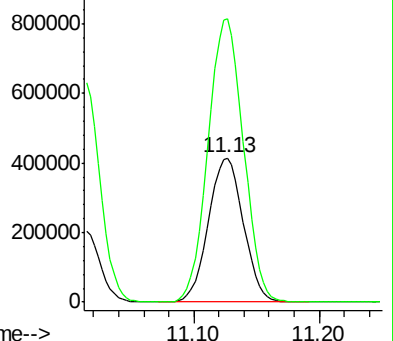
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 21.390 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. -0.00 min

Lab File: VN057203.D

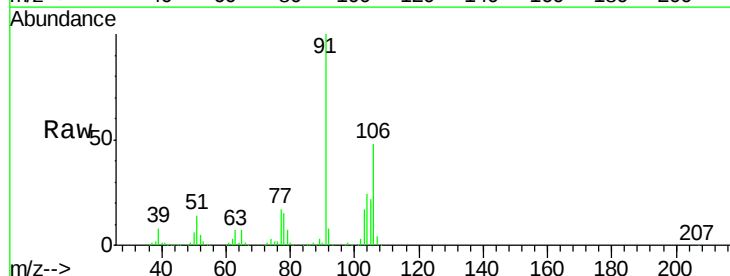
Acq: 12 Aug 2019 9:22

Tgt Ion:106 Resp: 392249

Ion Ratio Lower Upper

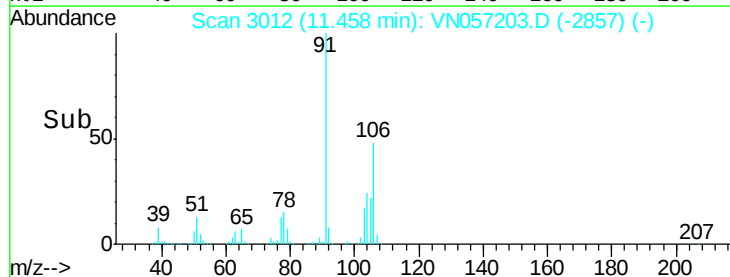
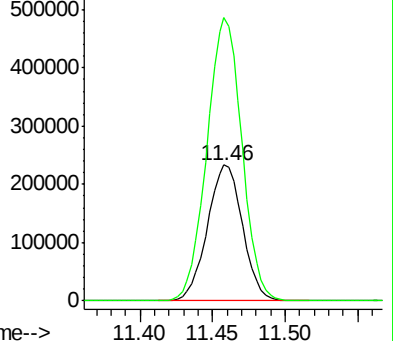
106 100

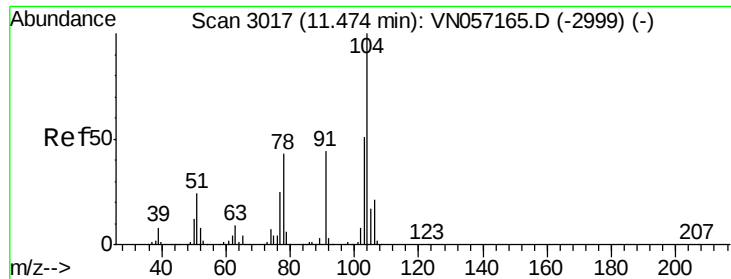
91 207.6 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





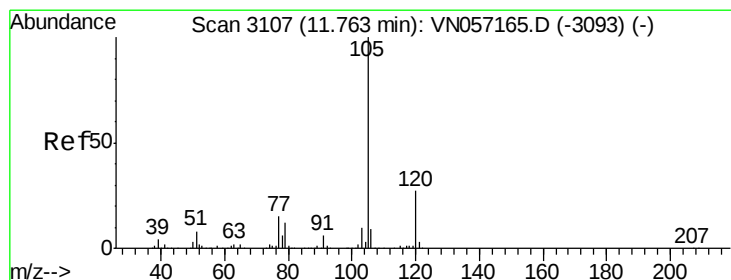
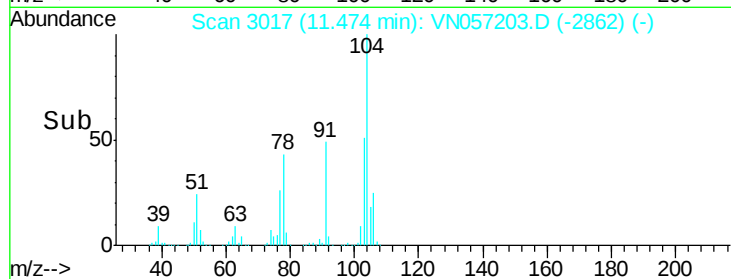
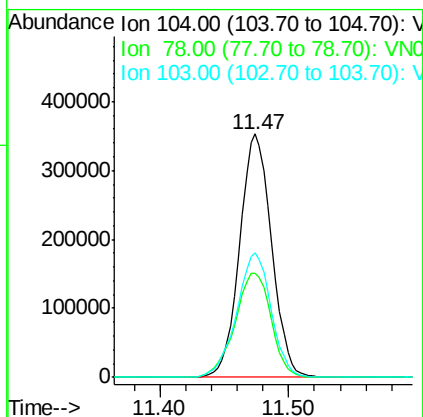
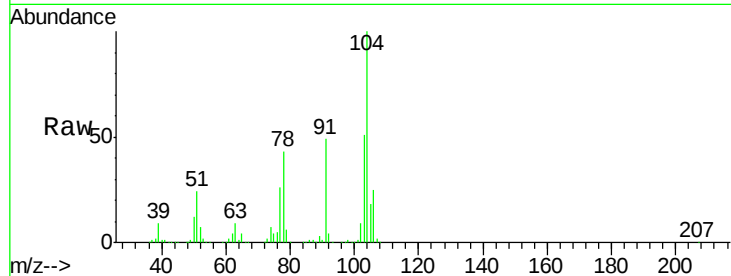
#69
Stvrene
Concen: 20.691 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	608427		
78	48.4		38.7	58.1
103	55.2		44.3	66.5

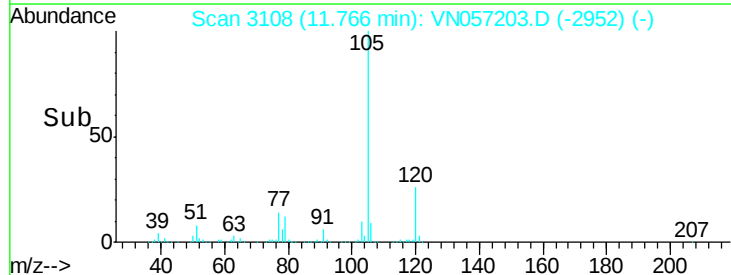
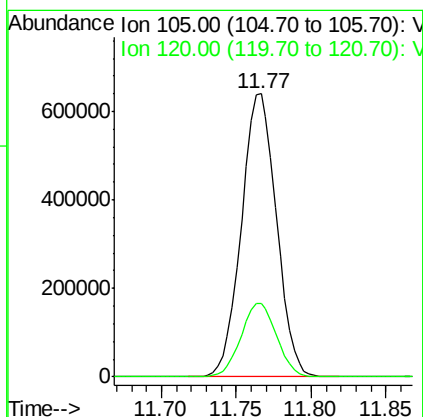
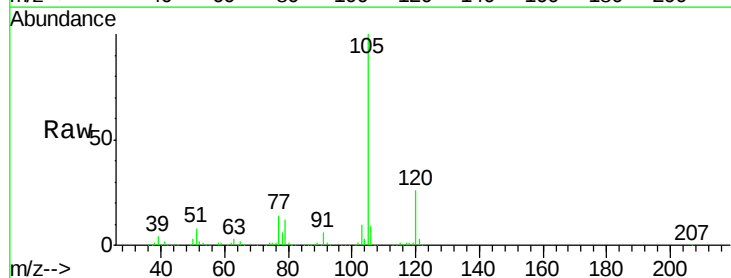
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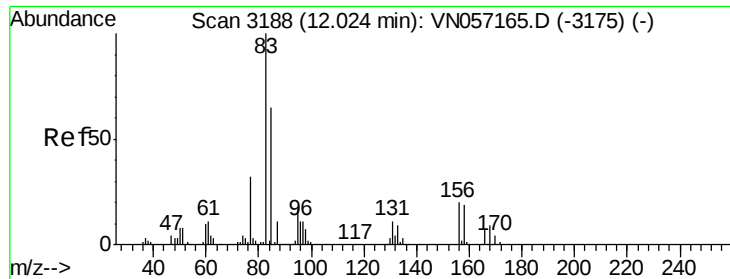
MMDadoda
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#70
Isopropylbenzene
Concen: 21.165 ug/l
RT: 11.77 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1044939		
120	26.3		19.1	35.5





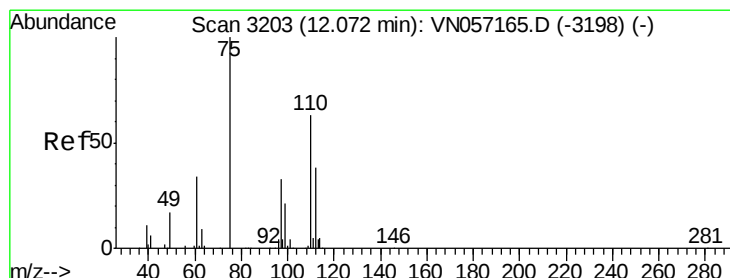
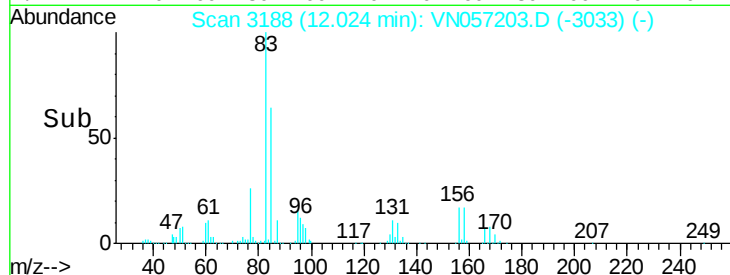
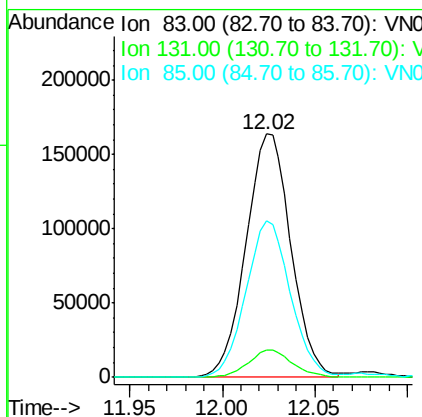
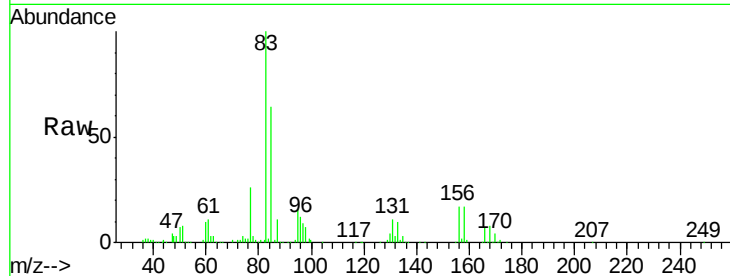
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.475 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	276860
Ion Ratio	100	Lower	Upper
83	100		
131	11.1	5.5	16.5
85	63.8	32.6	98.0

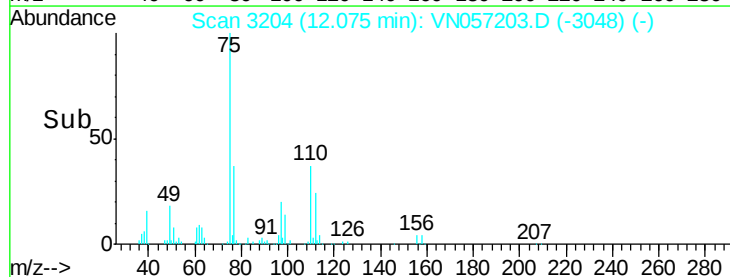
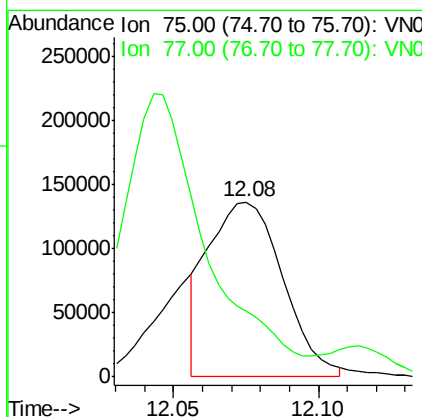
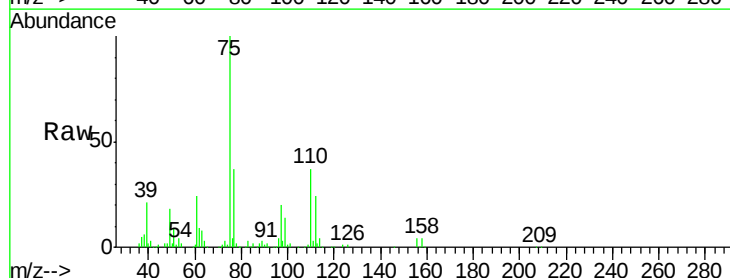
Manual Integrations
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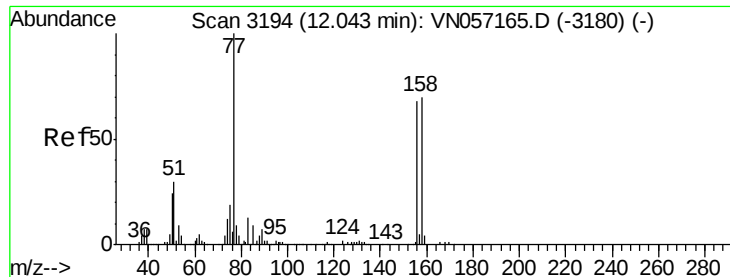
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#72
 1,2,3-Trichloropropane
 Concen: 20.646 ug/l m
 RT: 12.08 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	75	Resp	244334
Ion Ratio	100	Lower	Upper
75	100		
77	186.1	0.0	379.4





#73

Bromobenzene

Concen: 20.673 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

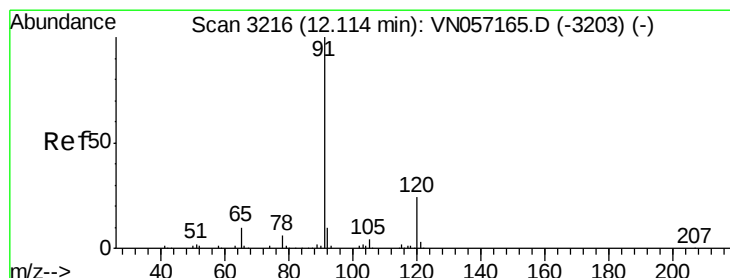
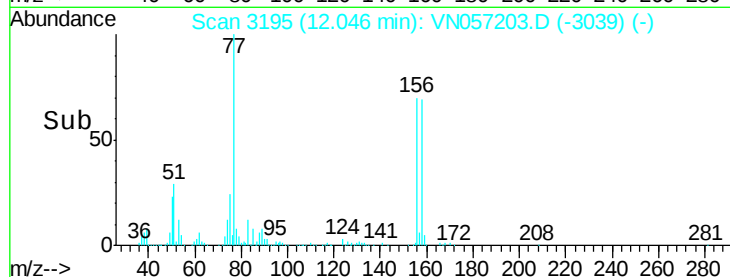
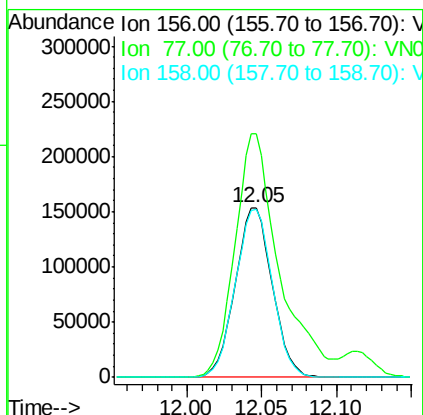
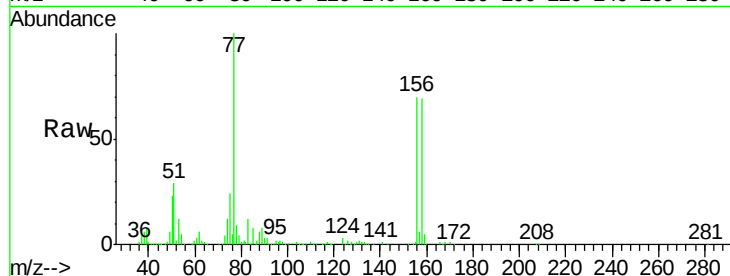
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	264656
Ion Ratio	Lower	Upper	
156	100		
77	171.8	0.0	361.6
158	99.3	0.0	200.6

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#74

n-propylbenzene

Concen: 20.485 ug/l

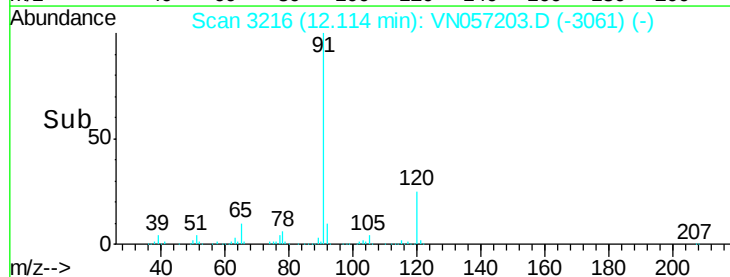
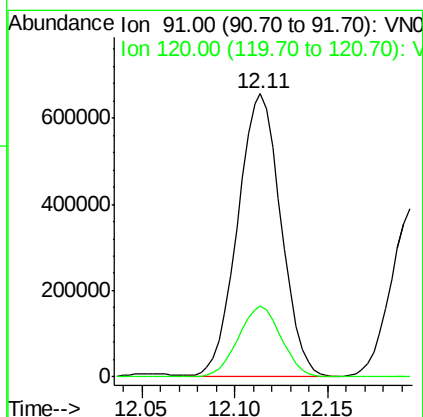
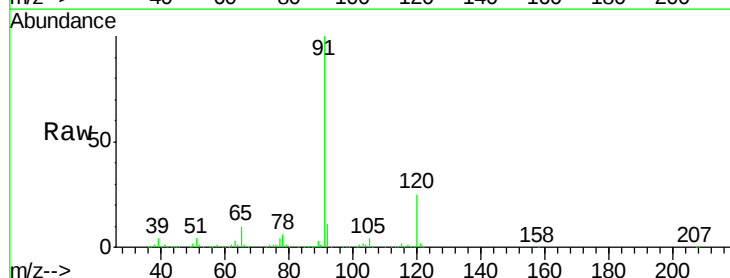
RT: 12.11 min Scan# 3216

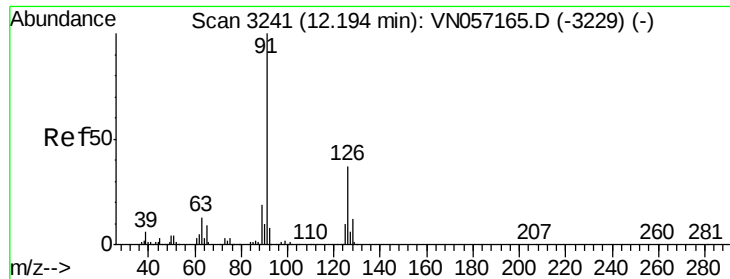
Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Tgt Ion:	91	Resp:	1061713
Ion Ratio	Lower	Upper	
91	100		
120	24.7	0.0	48.2





#75

2-Chlorotoluene

Concen: 20.882 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 669423

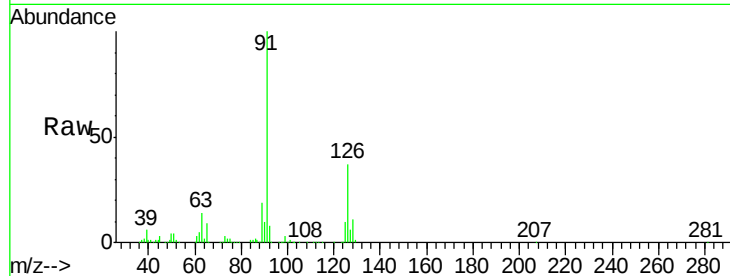
Ion Ratio Lower Upper

91 100

126 36.5 0.0 73.4

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Abundance Ion 91.00 (90.70 to 91.70): VN057165.D (-3229) (-)

Ion 126.00 (125.70 to 126.70): VN057165.D (-3229) (-)

600000

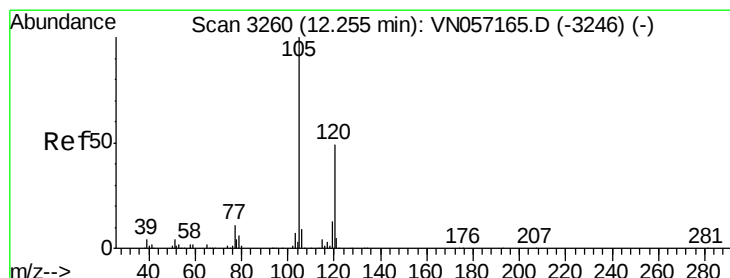
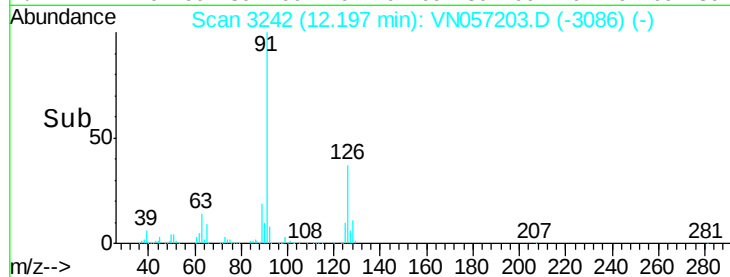
400000

200000

0

12.15 12.20 12.25

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.866 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057203.D

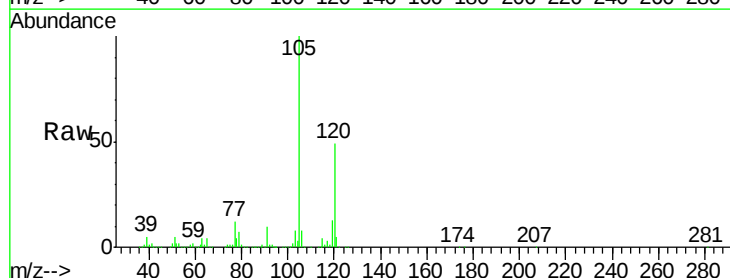
Acq: 12 Aug 2019 9:22

Tgt Ion: 105 Resp: 867424

Ion Ratio Lower Upper

105 100

120 50.0 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057165.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN057165.D (-3246) (-)

600000

500000

400000

300000

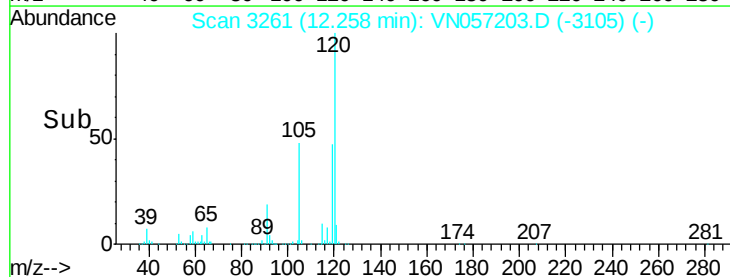
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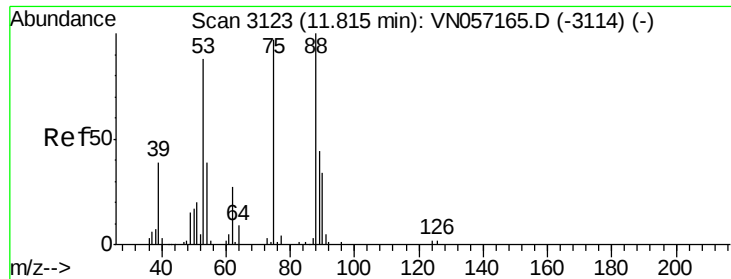
100000

0

12.20 12.25 12.30

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 20.121 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Instrument :

MSVOA_N

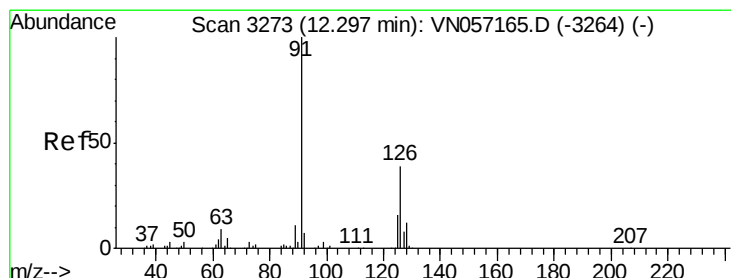
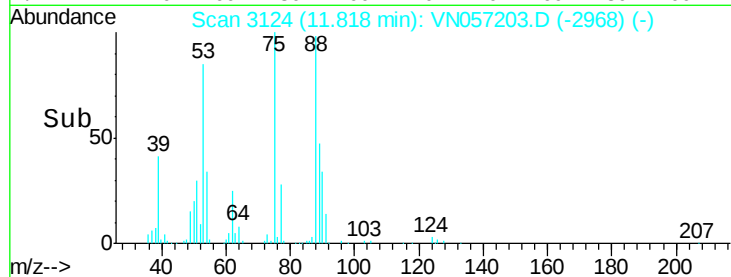
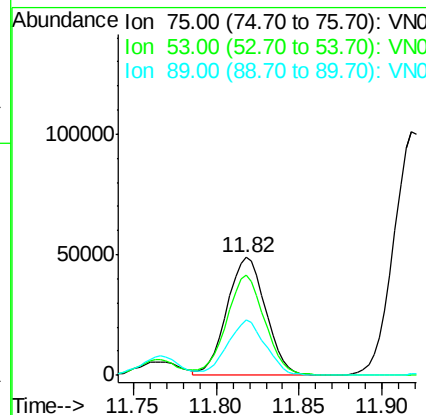
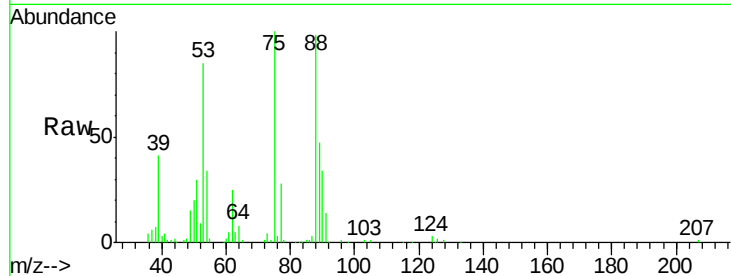
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	80138
Ion	Ratio	Lower	Upper
75	100		
53	85.1	45.4	136.2
89	46.8	23.5	70.6

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#78

4-Chlorotoluene

Concen: 20.462 ug/l

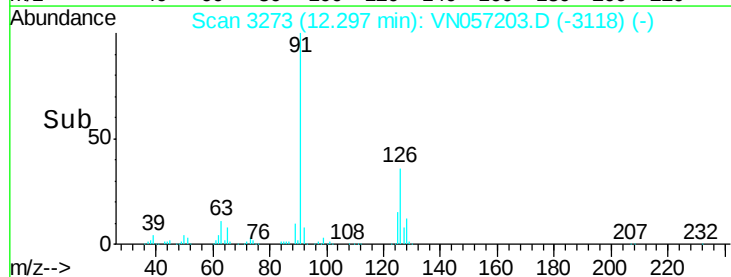
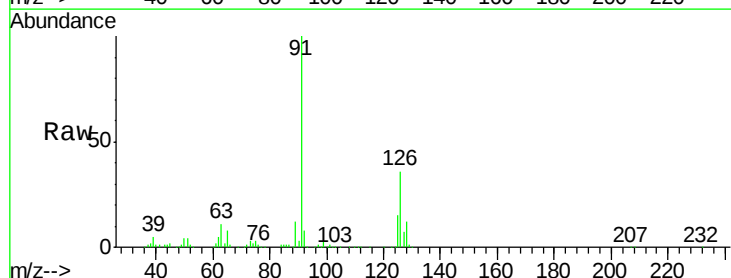
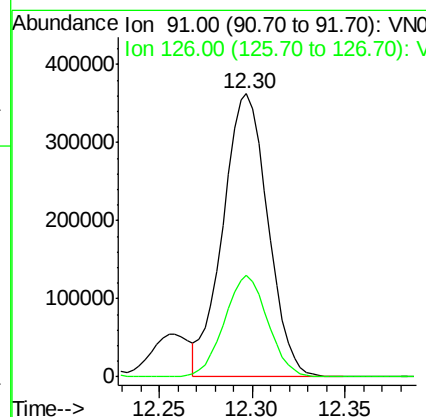
RT: 12.30 min Scan# 3273

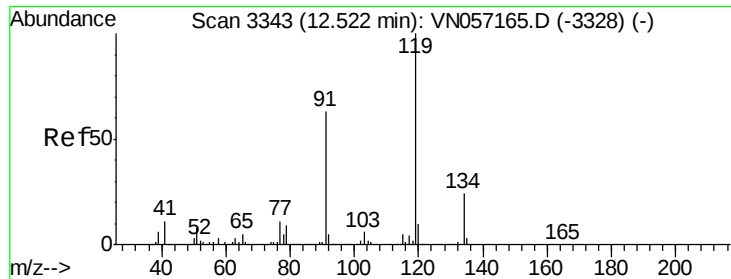
Delta R.T. -0.00 min

Lab File: VN057203.D

Acq: 12 Aug 2019 9:22

Tgt Ion:	91	Resp:	609208
Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	70.2





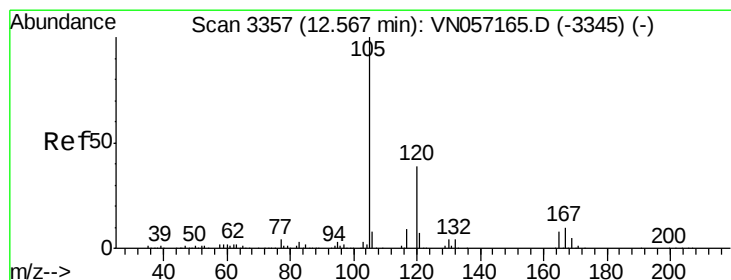
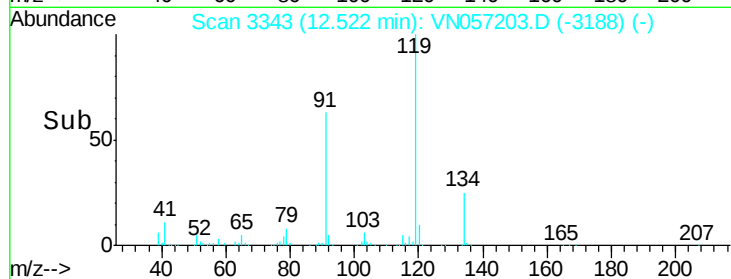
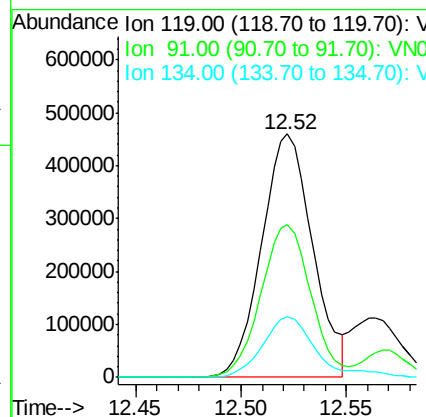
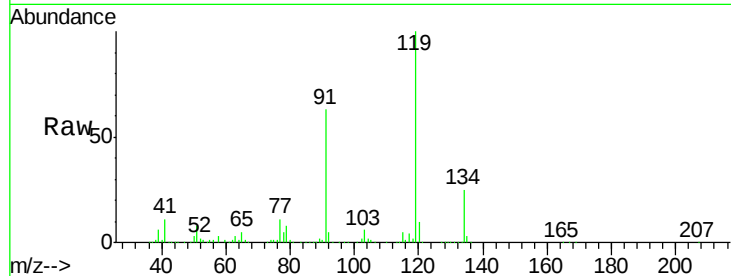
#79
tert-butylbenzene
Concen: 21.150 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	774923		
91	61.4	0.0	123.8	
134	26.2	0.0	48.6	

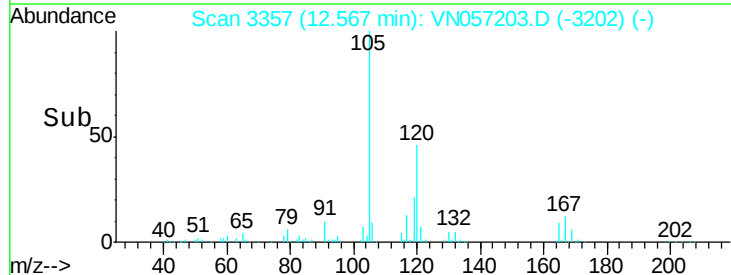
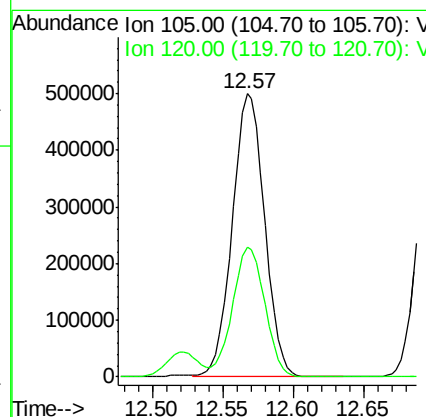
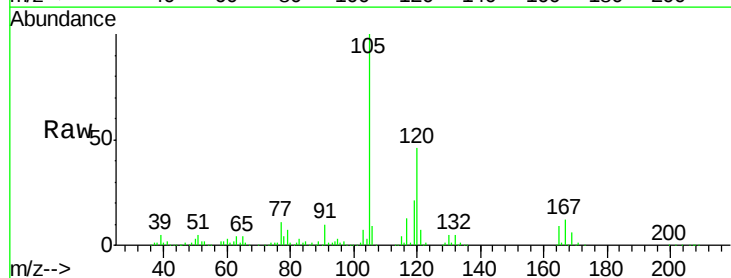
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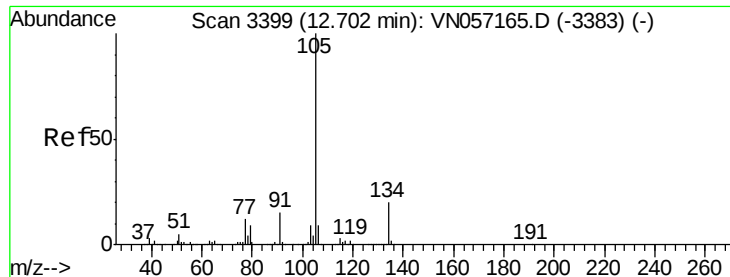
MMDadoda
8/14/2019 9:23:23 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.414 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	800298		
120	45.8	0.0	91.2	





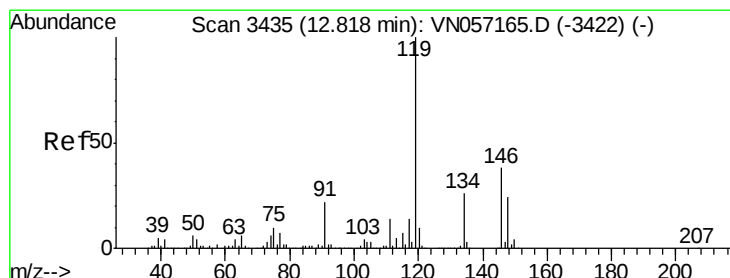
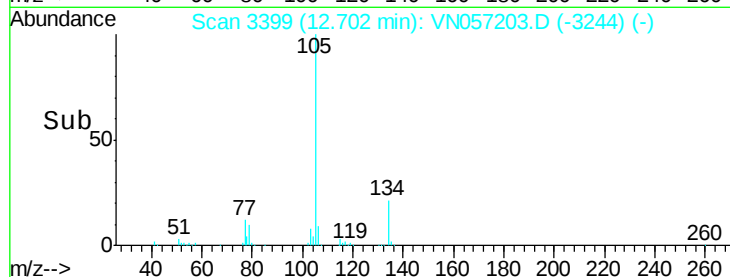
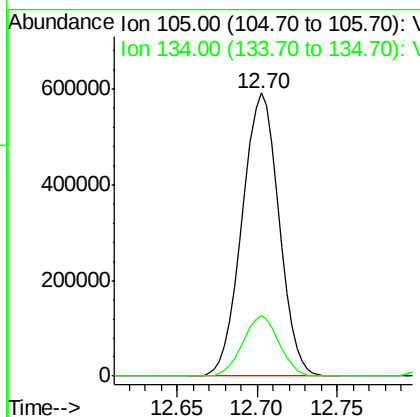
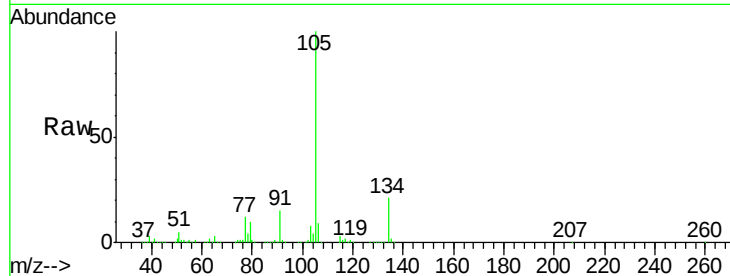
#81
 sec-Butylbenzene
 Concen: 20.102 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	40.6

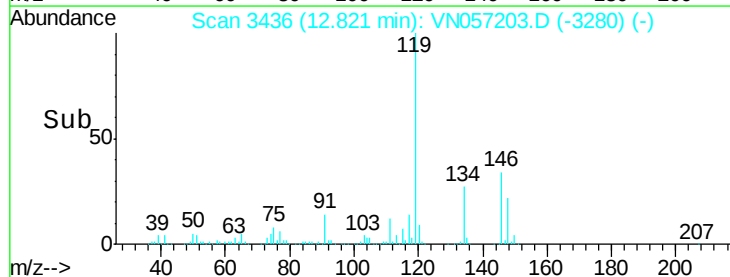
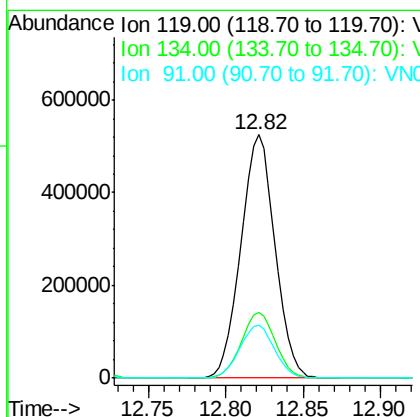
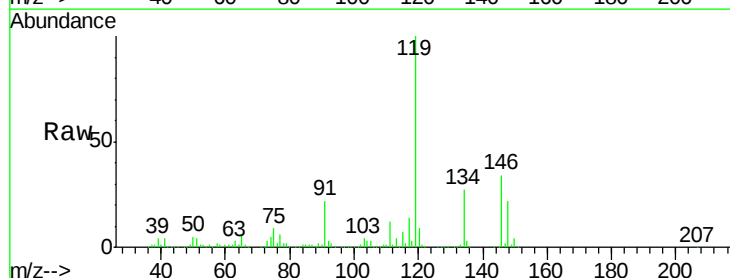
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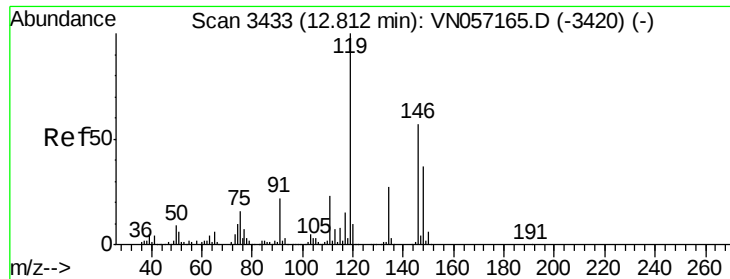
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 8/14/2019 9:23:23 AM



#82
 p-Isopropyltoluene
 Concen: 19.567 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	54.2
91	22.2	0.0	44.4





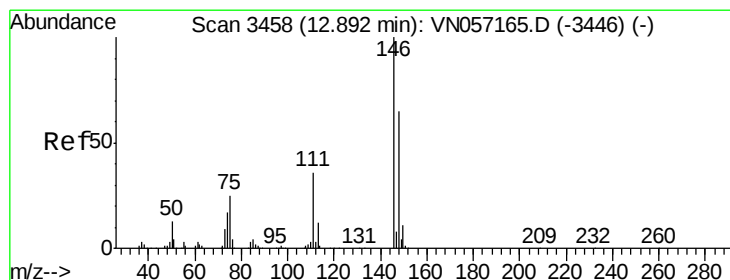
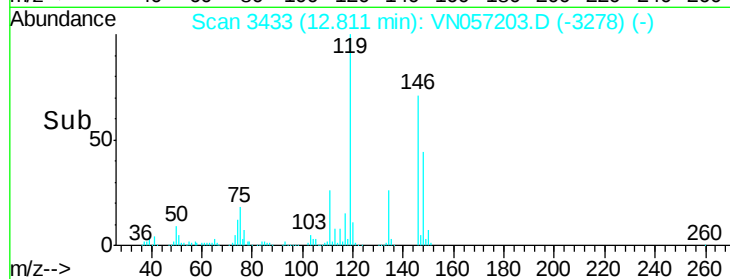
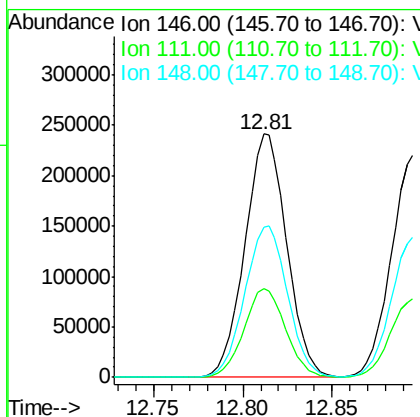
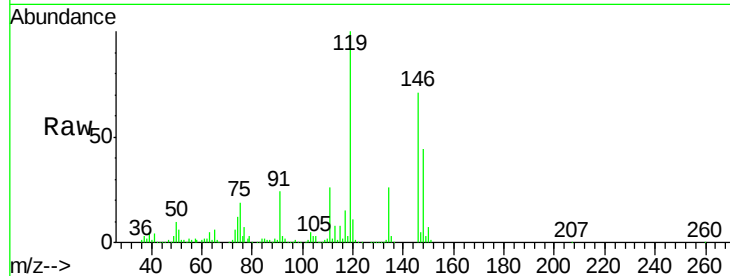
#83
 1,3-Dichlorobenzene
 Concen: 20.283 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.1	57.1
148	63.7	32.6	97.8

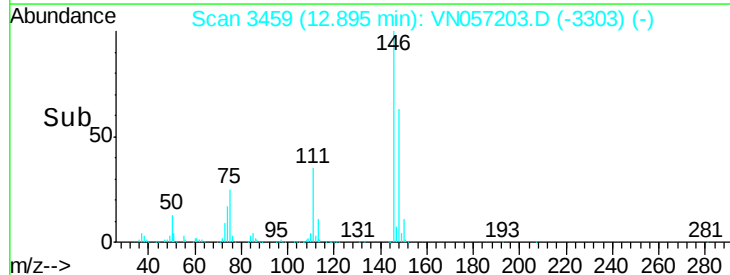
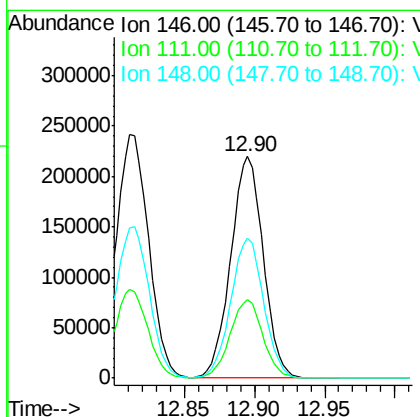
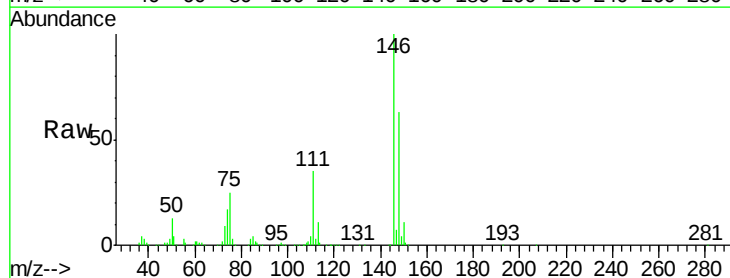
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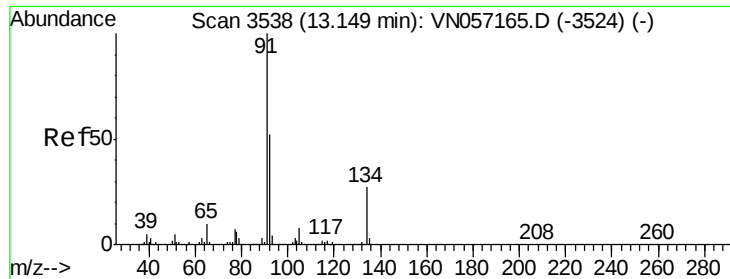
MMDadoda
 8/14/2019 9:23:23 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.576 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.0	54.0
148	64.0	32.3	96.9





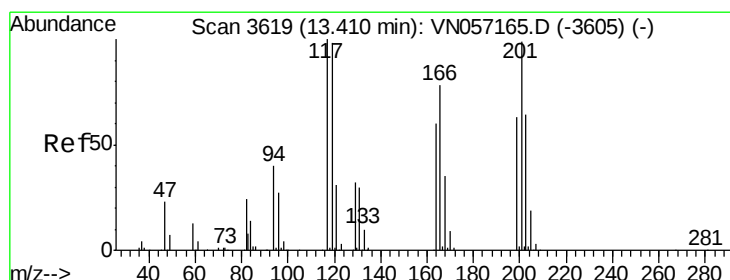
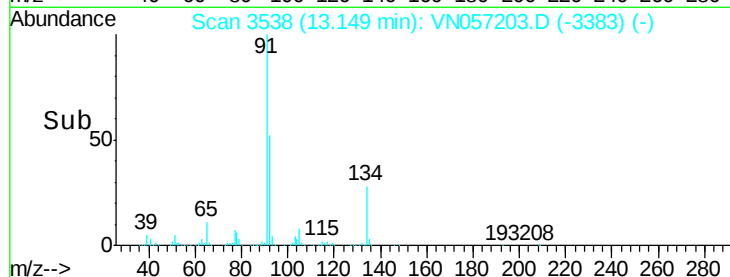
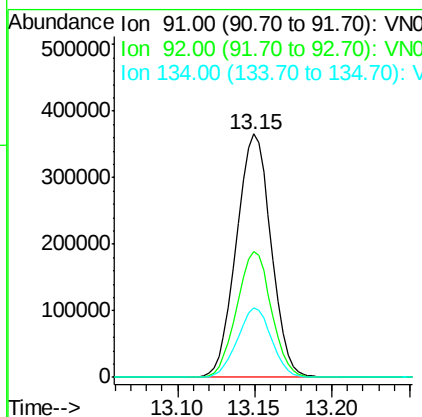
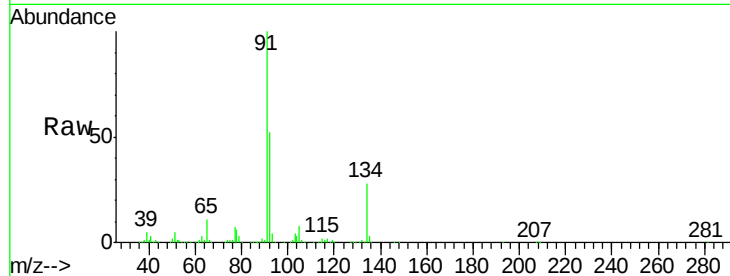
#85
n-Butylbenzene
Concen: 19.156 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	569776		
92	51.4	0.0	104.4	
134	28.1	0.0	55.0	

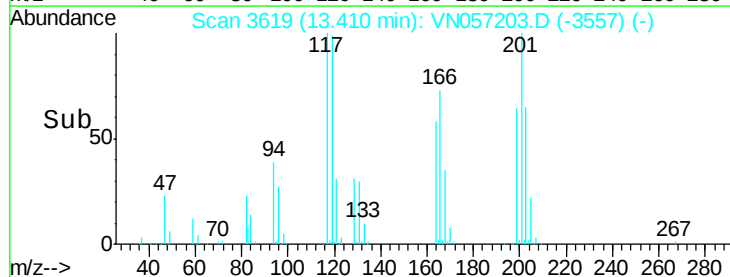
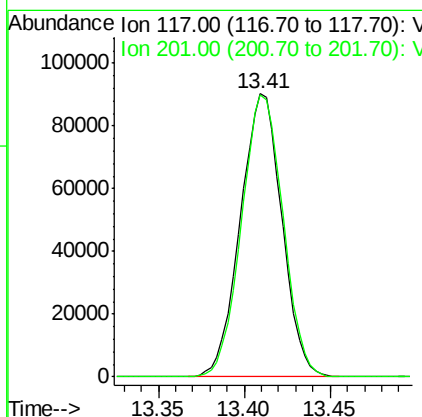
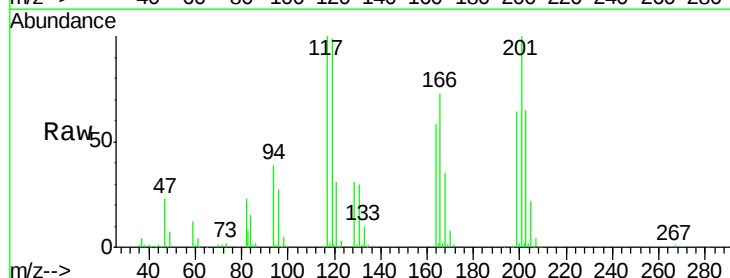
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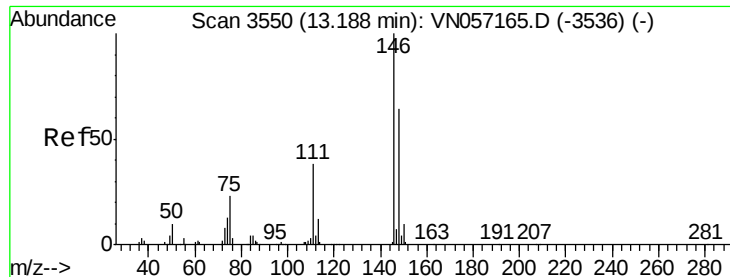
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#86
Hexachloroethane
Concen: 20.302 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	151858		
201	99.1	49.3	147.9	





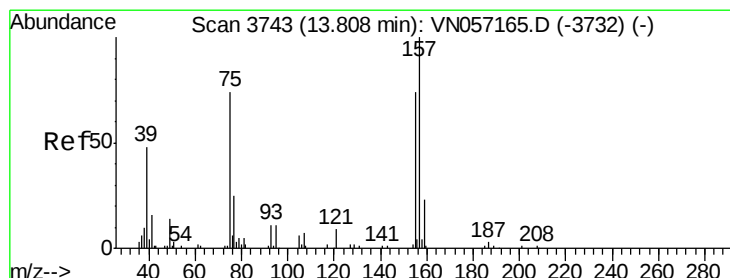
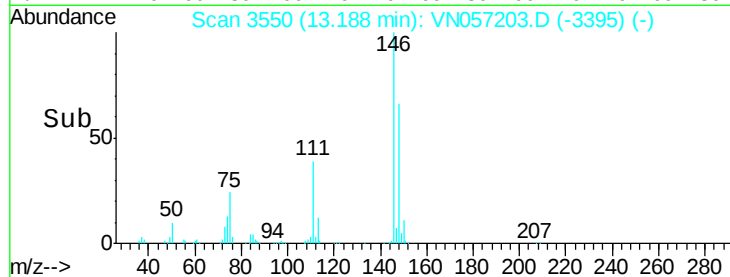
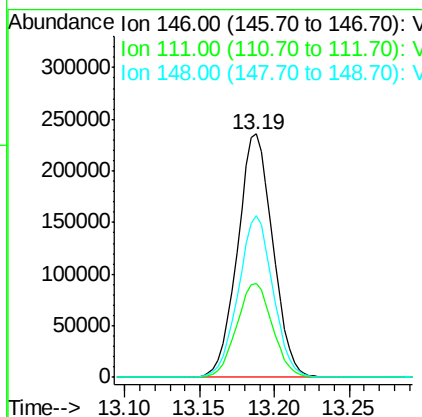
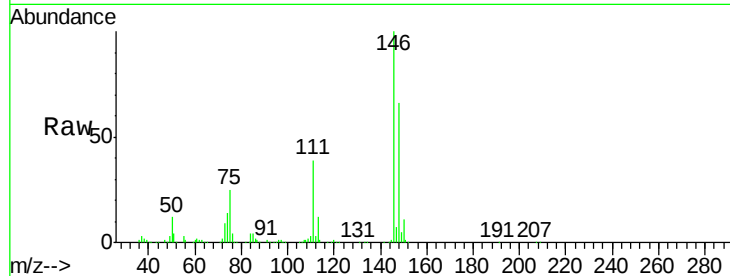
#87
 1,2-Dichlorobenzene
 Concen: 19.989 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.9	56.5
148	65.3	32.4	97.0

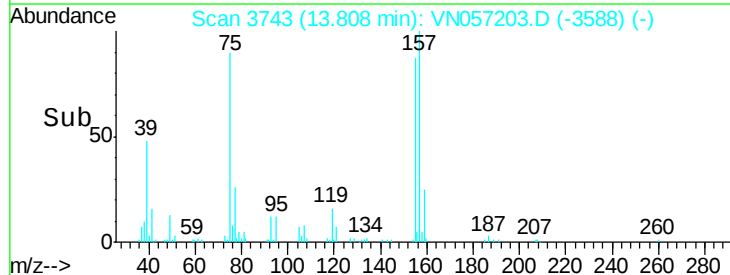
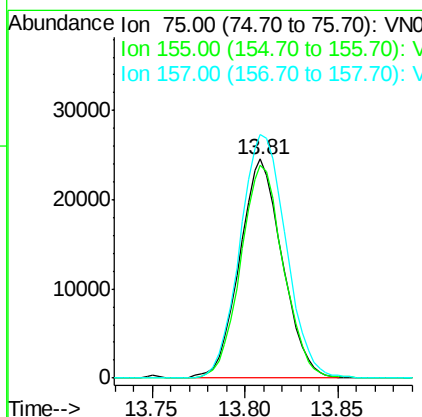
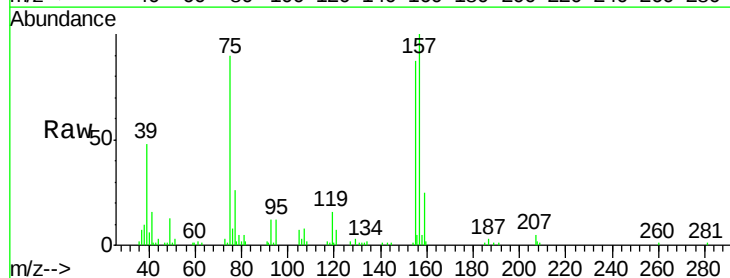
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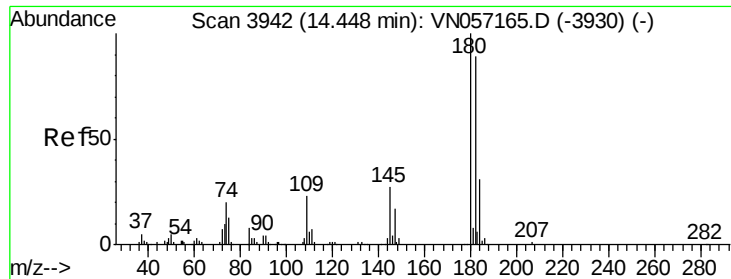
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.712 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057203.D
 Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	80.9	121.3
157	119.8	111.3	166.9





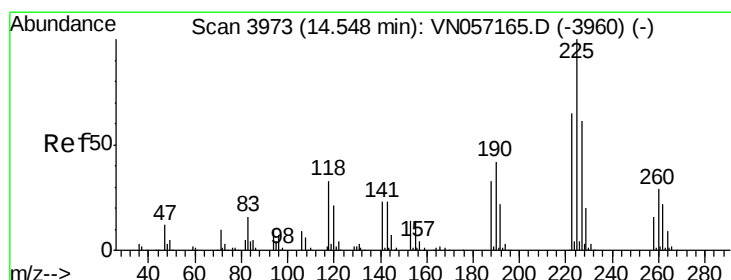
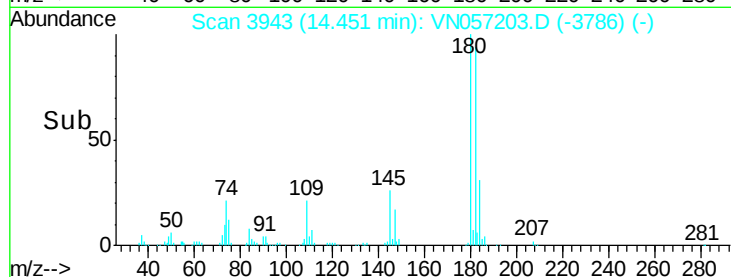
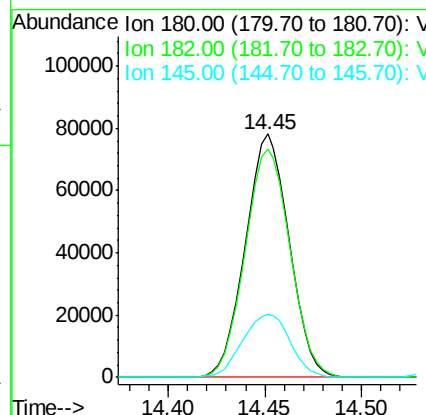
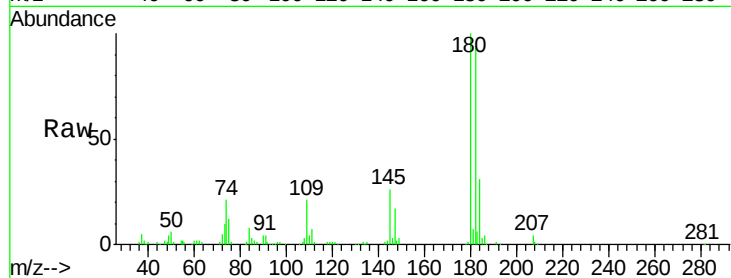
#89
1,2,4-Trichlorobenzene
Concen: 19.657 ug/l
RT: 14.45 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.0	112.6
145	28.3	21.7	32.5

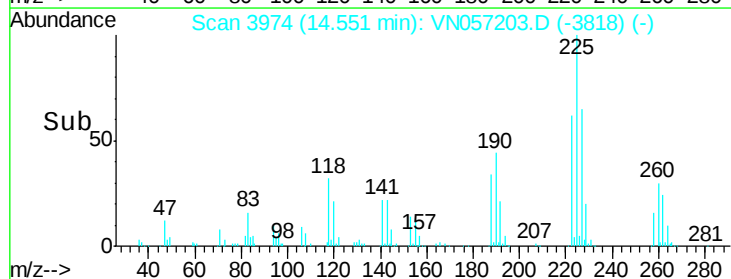
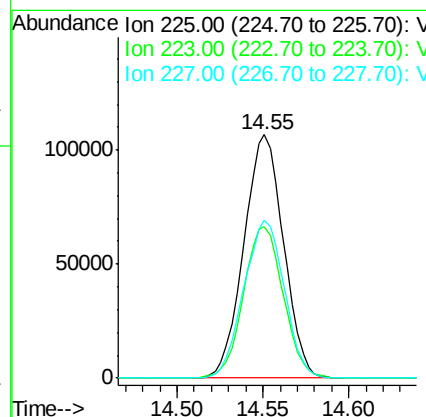
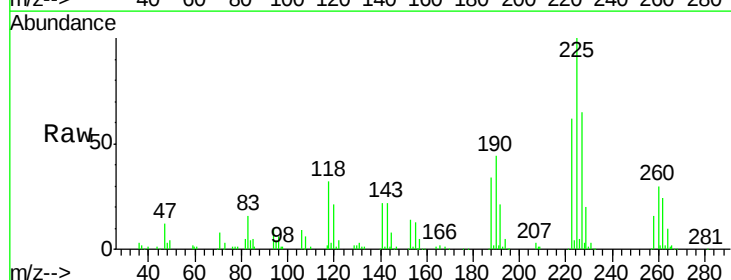
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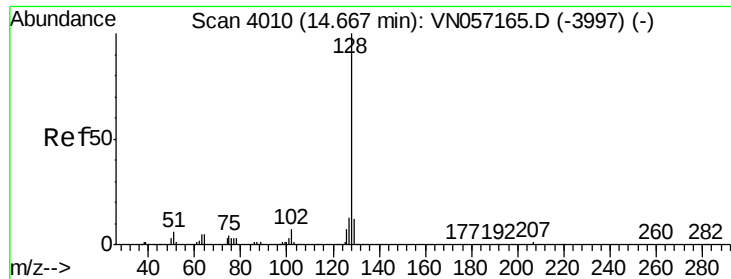
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#90
Hexachlorobutadiene
Concen: 20.522 ug/l
RT: 14.55 min Scan# 3974
Delta R.T. 0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	128.0
227	66.2	0.0	125.6





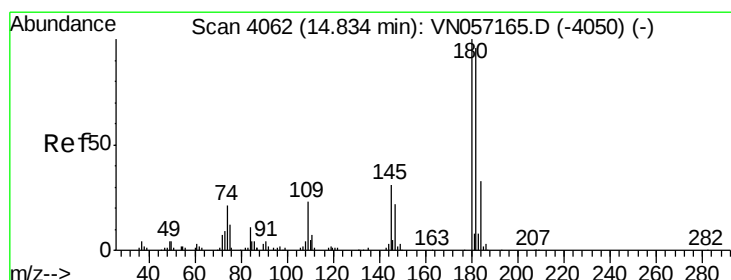
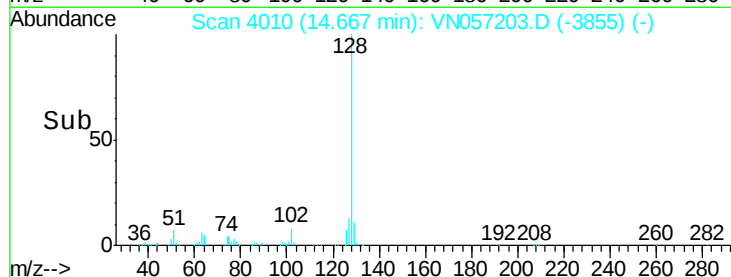
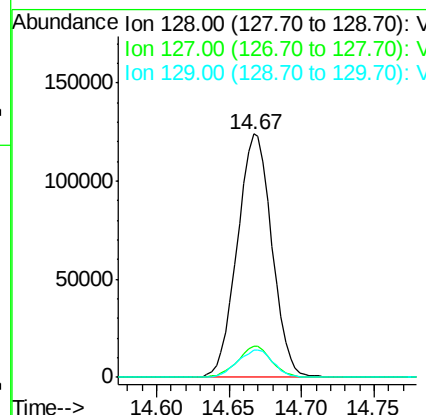
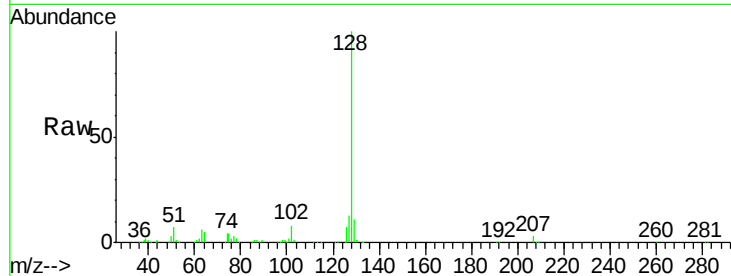
#91
Naphthalene
Concen: 14.013 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	205632		
127	12.5	10.2	15.4	
129	11.6	8.6	13.0	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 21.213 ug/l
RT: 14.84 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VN057203.D
Acq: 12 Aug 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	132935		
182	94.0	0.0	195.8	
145	29.8	0.0	61.2	

