

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057209.D
 Acq On : 12 Aug 2019 12:11
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:43 AM

Quant Time: Aug 13 02:06:28 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	159586	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	879422	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	765387	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	312448	30.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.13%
60) 4-Bromofluorobenzene	11.92	95	320682	28.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.80%
63) Toluene-d8	9.56	98	1060644	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	166537	19.132	ug/l 99
3) Chloromethane	2.00	50	185070	18.354	ug/l 99
4) Vinyl Chloride	2.11	62	183924	17.930	ug/l 99
5) Bromomethane	2.43	94	135608	18.558	ug/l 100
6) Chloroethane	2.55	64	123022	18.494	ug/l 96
7) Trichlorofluoromethane	2.83	101	285438	18.662	ug/l 97
8) Diethyl Ether	3.14	74	101543	17.812	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	167982	18.156	ug/l 98
10) 1,1-Dichloroethene	3.43	96	162623	17.777	ug/l 96
11) Methyl Iodide	3.63	142	261630	18.329	ug/l 98
12) Methyl Acetate	3.89	43	195923	20.560	ug/l 99
13) Acrolein	3.31	56	97613	92.885	ug/l 97
14) Acrylonitrile	4.45	53	379868	95.548	ug/l 98
15) Acetone	3.48	58	104359	79.092	ug/l 100
16) Carbon Disulfide	3.72	76	437978	17.747	ug/l 98
17) Allyl chloride	3.91	41	234073	17.357	ug/l 96
18) Methylene Chloride	4.10	84	190269	18.347	ug/l 99
19) trans-1,2-Dichloroethene	4.50	96	175548	17.900	ug/l 98
20) Diisopropyl ether	5.32	45	507523	18.453	ug/l 92
21) 1,1-Dichloroethane	5.25	63	316089	18.452	ug/l 99
22) cis-1,2-Dichloroethene	6.21	96	200337	17.948	ug/l 98
23) tert-Butyl Alcohol	4.24	59	126783	96.639	ug/l # 100
24) Methyl tert-Butyl Ether	4.49	73	495244	18.411	ug/l 99
25) Chloroform	6.76	83	323084	18.342	ug/l 99
26) Cyclohexane	7.07	56	256812	17.537	ug/l # 96
29) 1,1-Dichloropropene	7.20	75	236450	17.879	ug/l 99
30) 2-Butanone	6.20	43	461610	88.657	ug/l 100
31) 2,2-Dichloropropane	6.21	77	246434	17.429	ug/l 99
32) 1,1,1-Trichloroethane	6.98	97	280471	18.313	ug/l 100
33) Carbon Tetrachloride	7.18	117	248733	18.244	ug/l 97
34) Benzene	7.46	78	728754	18.052	ug/l 97
35) Methacrylonitrile	6.55	41	101928	19.370	ug/l 94
36) 1,2-Dichloroethane	7.54	62	237382	18.406	ug/l 99
37) Trichloroethene	8.27	130	207575	18.095	ug/l 100
38) Methylcyclohexane	8.53	83	276987	17.551	ug/l 100
39) 1,2-Dichloropropane	8.56	63	186315	17.905	ug/l 99
40) Dibromomethane	8.65	93	124250	18.548	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057209.D
 Acq On : 12 Aug 2019 12:11
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:43 AM

Quant Time: Aug 13 02:06:28 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)
41) Bromodichloromethane	8.85	83	242152	18.179	ug/l	98
42) Vinyl Acetate	5.26	43	1978714	91.415	ug/l	100
43) Ethyl Acetate	6.29	43	191490	19.941	ug/l	98
44) Isopropyl Acetate	7.56	43	341965	19.613	ug/l	99
45) 1,4-Dioxane	8.64	88	62562	384.510	ug/l	99
46) Methyl methacrylate	8.64	41	149462	18.801	ug/l	98
47) n-amyl Acetate	11.59	43	226542	17.661	ug/l	99
48) t-1,3-Dichloropropene	9.86	75	257027	18.096	ug/l	99
49) cis-1,3-Dichloropropene	9.30	75	288956	17.946	ug/l	99
50) 1,1,2-Trichloroethane	10.04	97	178836	18.678	ug/l	97
51) Ethyl methacrylate	9.90	69	245262	18.152	ug/l	99
52) 1,3-Dichloropropane	10.19	76	298302	18.692	ug/l	99
53) Dibromochloromethane	10.39	129	195569	18.127	ug/l	98
54) 1,2-Dibromoethane	10.50	107	188627	18.873	ug/l	99
55) 2-Chloroethyl vinyl ether	9.15	63	314202	82.358	ug/l	99
56) Bromoform	11.64	173	144435	18.117	ug/l	99
58) 4-Methyl-2-Pentanone	9.45	43	941666	95.771	ug/l	99
59) 2-Hexanone	10.24	43	644553	91.180	ug/l	98
61) Tetrachloroethene	10.11	164	221685	18.871	ug/l	96
62) Toluene	9.63	91	793983	18.225	ug/l	100
64) Chlorobenzene	10.93	112	491085	18.327	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.01	131	190185	18.508	ug/l	98
66) Ethyl Benzene	11.01	91	845349	18.102	ug/l	100
67) m/p-Xylenes	11.13	106	635235	36.070	ug/l	100
68) o-Xylene	11.46	106	308365	18.035	ug/l	98
69) Styrene	11.48	104	485304	17.701	ug/l	99
70) Isopropylbenzene	11.77	105	835669	18.154	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.02	83	234683	18.614	ug/l	98
72) 1,2,3-Trichloropropane	12.08	75	213250m	19.326	ug/l	
73) Bromobenzene	12.05	156	212083	17.767	ug/l	97
74) n-propylbenzene	12.11	91	830974	17.195	ug/l	99
75) 2-Chlorotoluene	12.20	91	534201	17.872	ug/l	98
76) 1,3,5-Trimethylbenzene	12.26	105	695948	17.955	ug/l	87
77) t-1,4-Dichloro-2-butene	11.82	75	62981	16.960	ug/l	98
78) 4-Chlorotoluene	12.30	91	462322	16.654	ug/l	99
79) tert-butylbenzene	12.52	119	619568	18.136	ug/l	100
80) 1,2,4-Trimethylbenzene	12.57	105	642224	17.570	ug/l	99
81) sec-Butylbenzene	12.70	105	741459	17.214	ug/l	99
82) p-Isopropyltoluene	12.82	119	637817	16.629	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	293934	16.172	ug/l	99
84) 1,4-Dichlorobenzene	12.90	146	271675	16.069	ug/l	99
85) n-Butylbenzene	13.15	91	446126	16.087	ug/l	99
86) Hexachloroethane	13.41	117	122615	17.581	ug/l	98
87) 1,2-Dichlorobenzene	13.19	146	302138	16.762	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	28733	16.243	ug/l	94
89) 1,2,4-Trichlorobenzene	14.45	180	77874	16.232	ug/l	98
90) Hexachlorobutadiene	14.55	225	131745	16.954	ug/l	98
91) Naphthalene	14.67	128	149641	10.937	ug/l	100
92) 1,2,3-Trichlorobenzene	14.84	180	82101	16.874	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
Data File : VN057209.D
Acq On : 12 Aug 2019 12:11
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM

Quant Time: Aug 13 02:06:28 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)
--------------------	------	------	----------	------	-------	----------

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

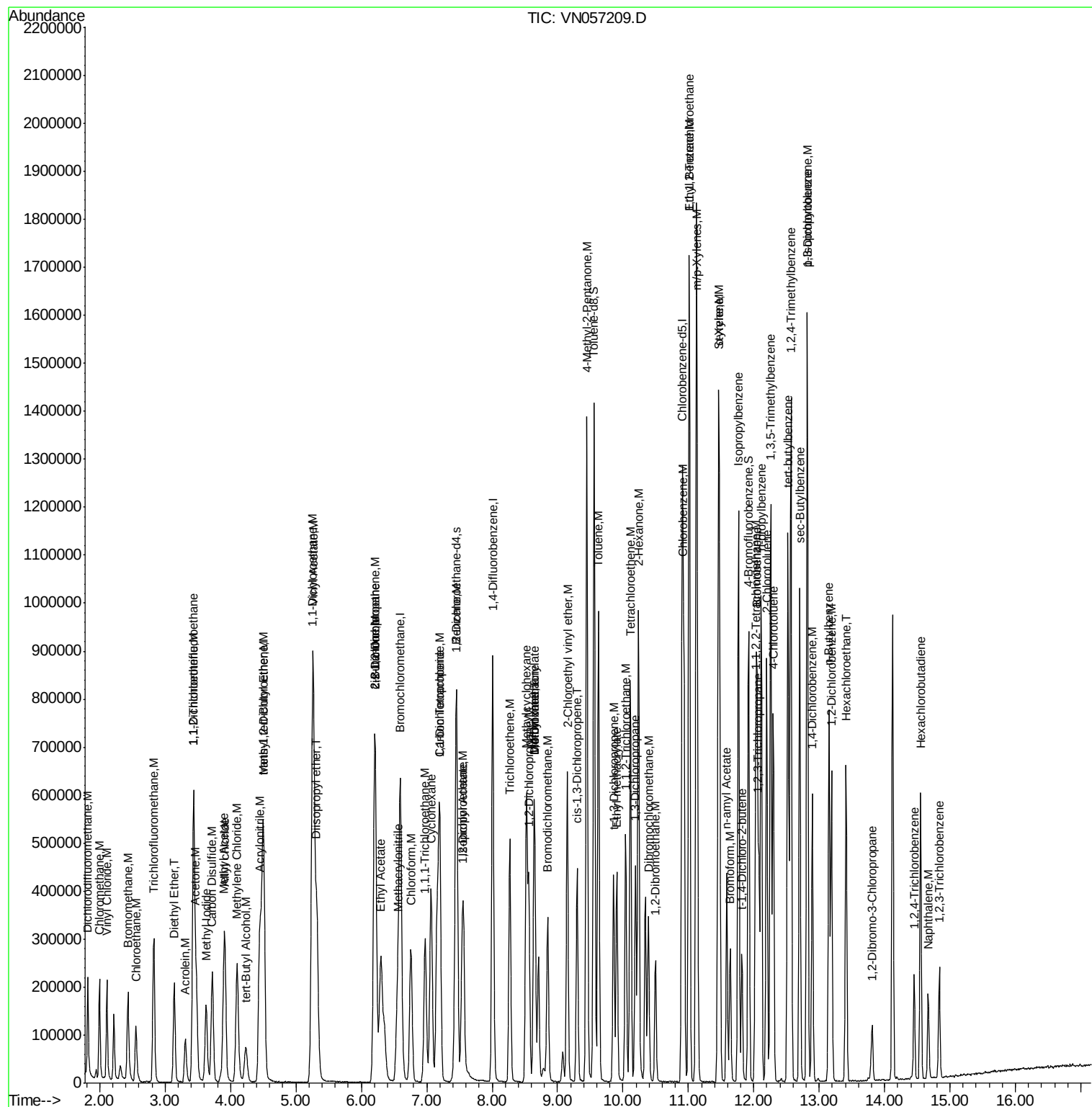
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057209.D
 Acq On : 12 Aug 2019 12:11
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

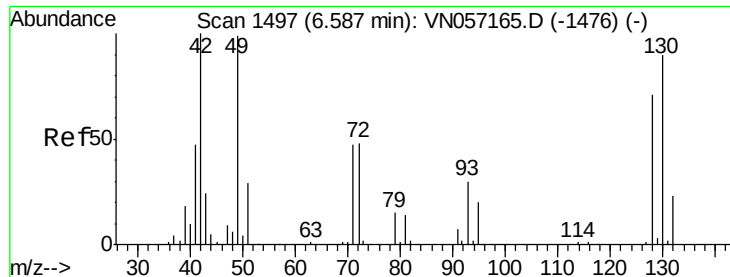
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:43 AM

Quant Time: Aug 13 02:06:28 2019
 Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

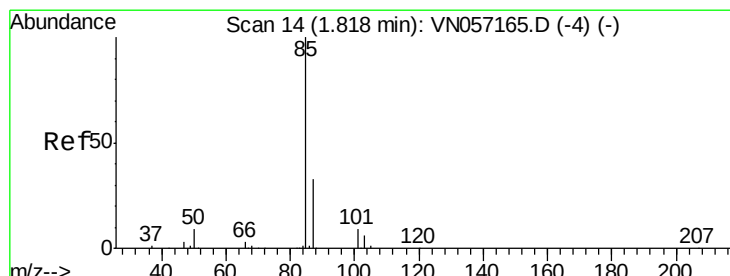
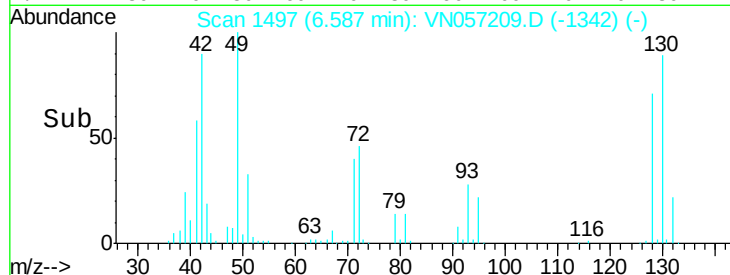
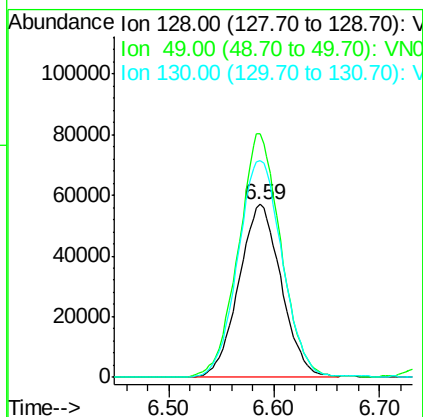
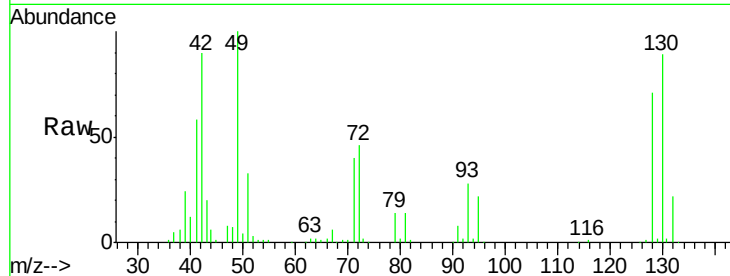
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	159586
Ion	Ratio	Lower	Upper
128	100		
49	141.0	0.0	361.0
130	131.2	0.0	329.5

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#2

Dichlorodifluoromethane

Concen: 19.132 ug/l

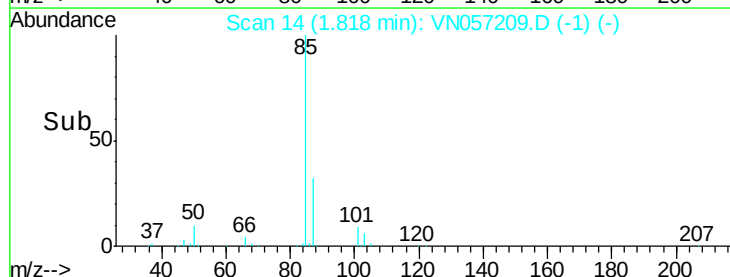
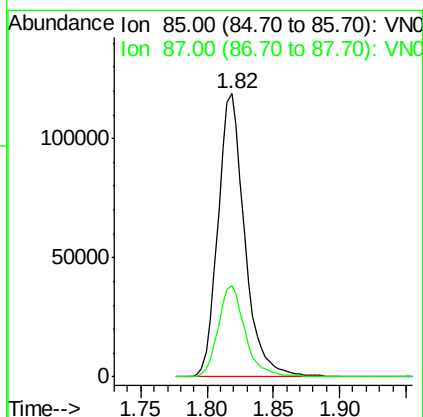
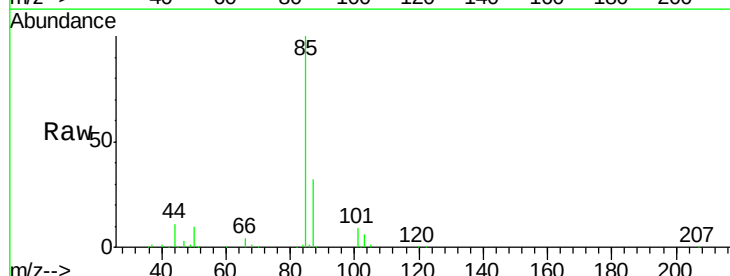
RT: 1.82 min Scan# 14

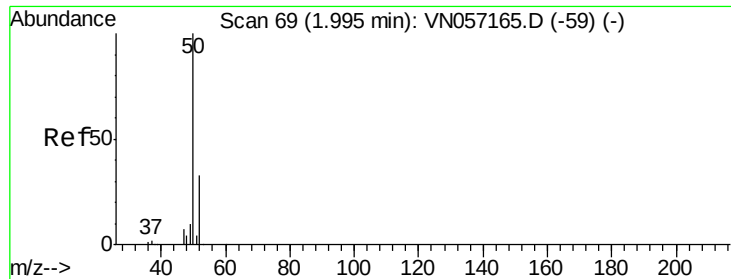
Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	85	Resp:	166537
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.5	49.5





#3

Chloromethane

Concen: 18.354 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 185070

Ion Ratio Lower Upper

50 100

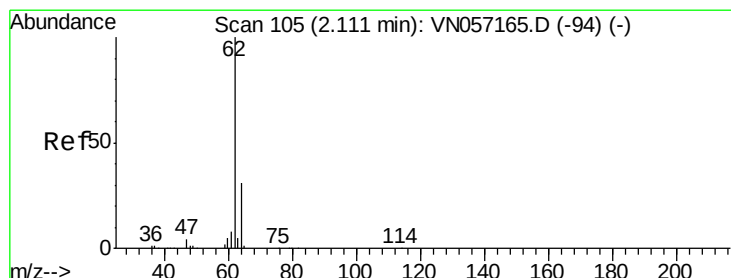
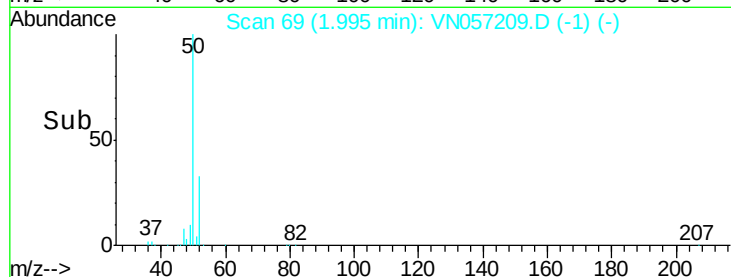
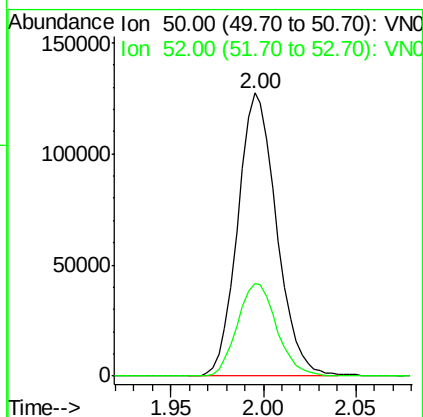
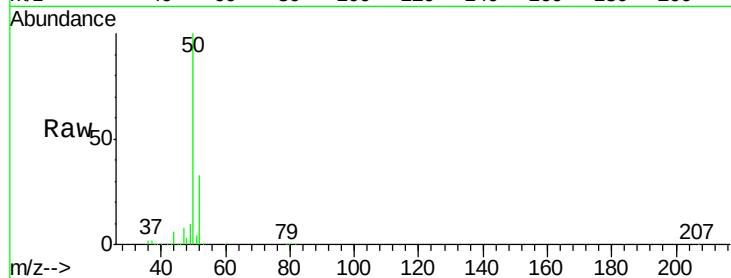
52 32.7 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:43 AM



#4

Vinyl Chloride

Concen: 17.930 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057209.D

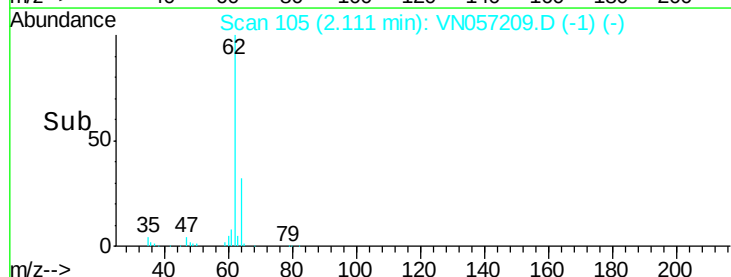
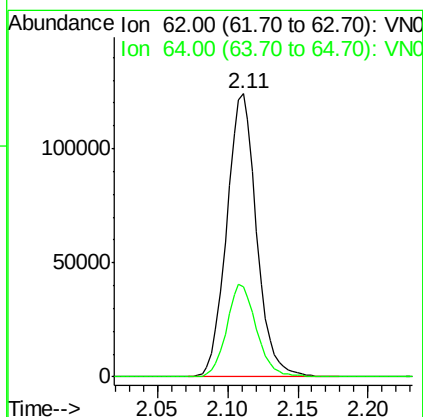
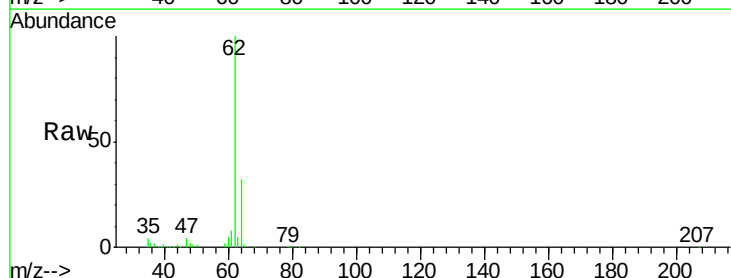
Acq: 12 Aug 2019 12:11

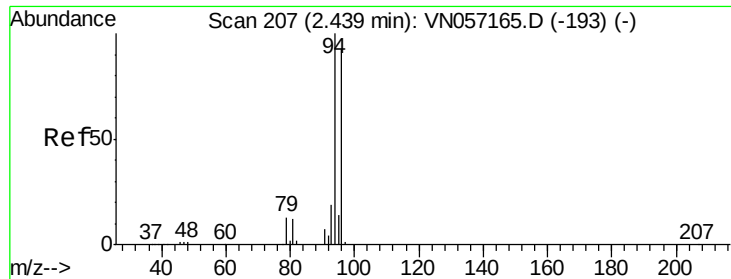
Tgt Ion: 62 Resp: 183924

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 18.558 ug/l

RT: 2.43 min Scan# 205

Delta R.T. -0.01 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 135608

Ion Ratio Lower Upper

94 100

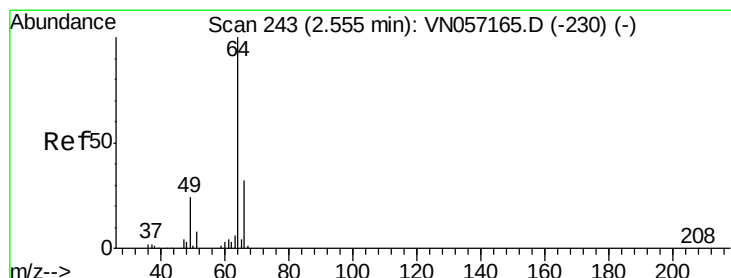
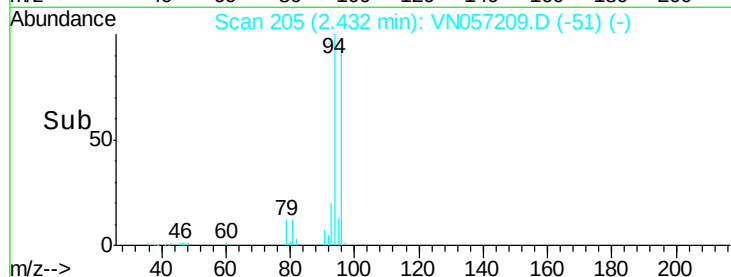
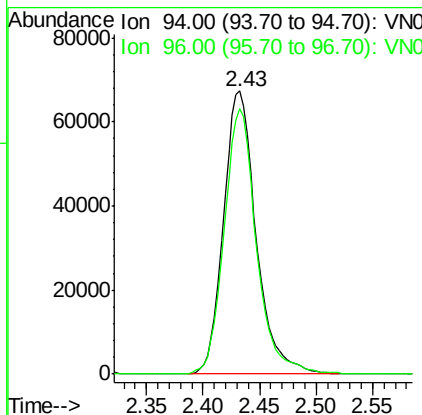
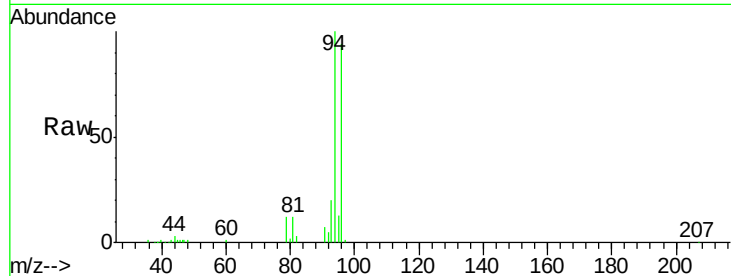
96 93.7 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:43 AM



#6

Chloroethane

Concen: 18.494 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN057209.D

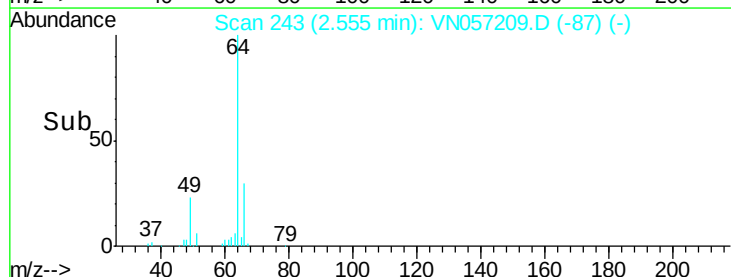
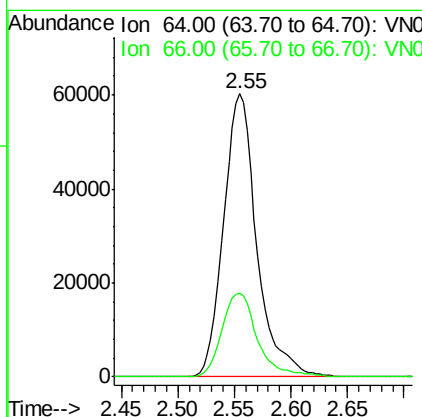
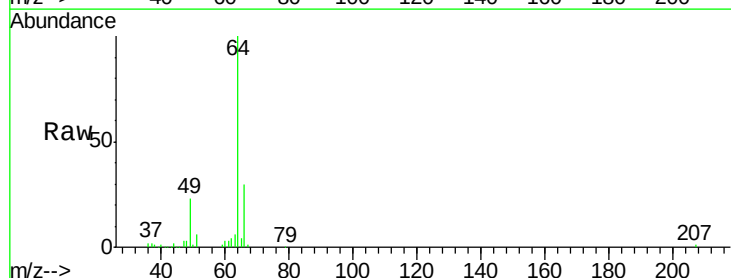
Acq: 12 Aug 2019 12:11

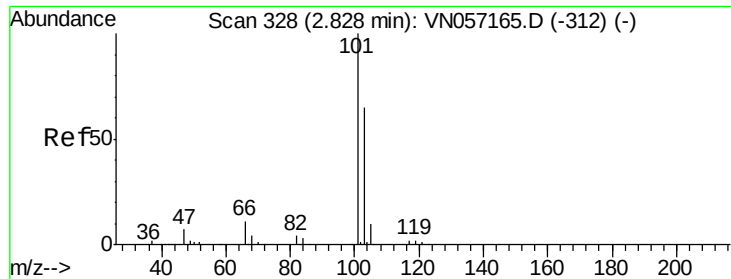
Tgt Ion: 64 Resp: 123022

Ion Ratio Lower Upper

64 100

66 29.7 25.8 38.6





#7

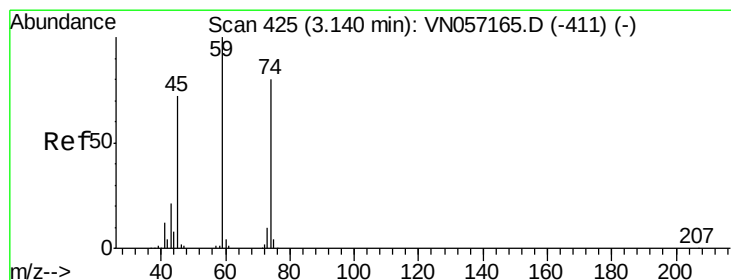
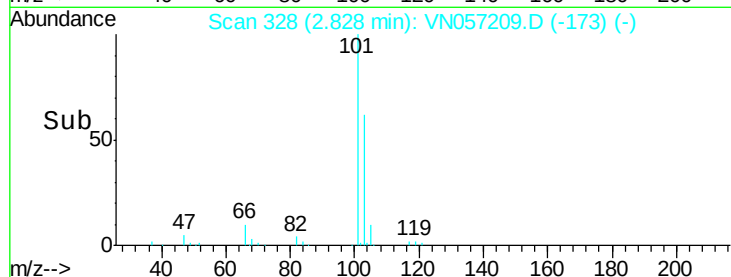
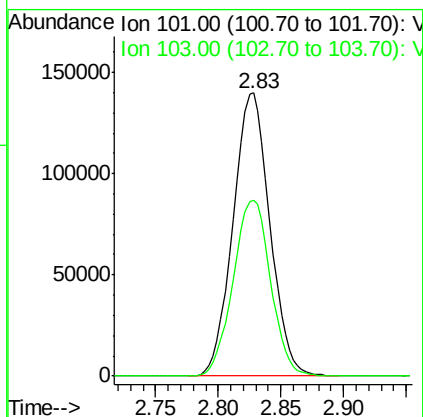
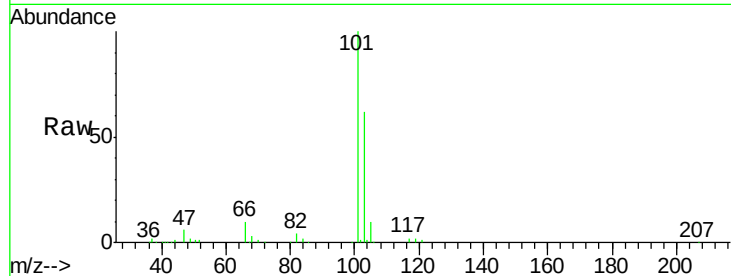
Trichlorofluoromethane
 Concen: 18.662 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		285438		
103	62.3	51.8	77.8		

Manual Integrations
 APPROVED

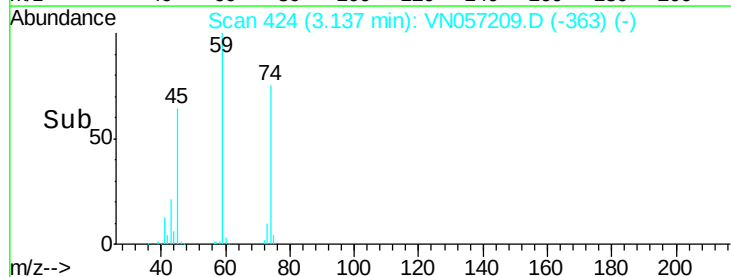
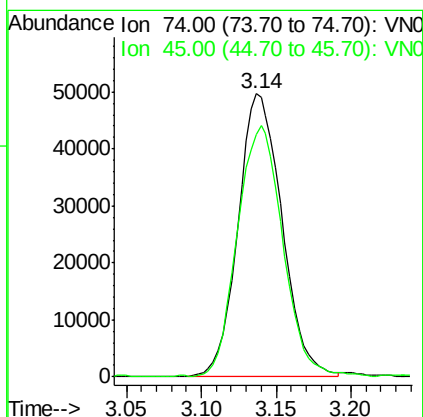
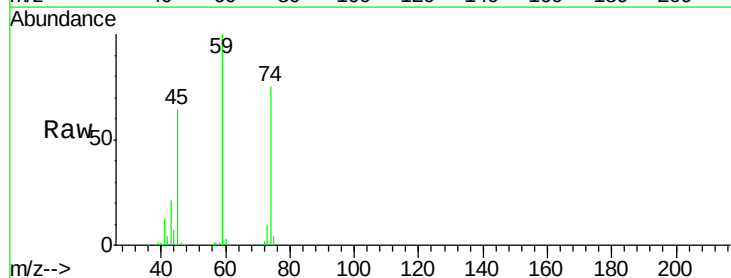
MMDadoda
 8/14/2019 9:23:43 AM

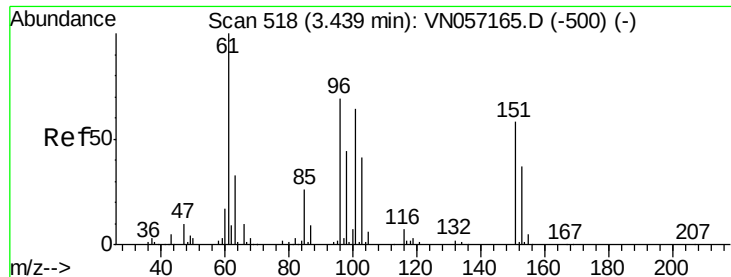


#8

Diethyl Ether
 Concen: 17.812 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		101543		
45	91.3	17.9	161.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.156 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

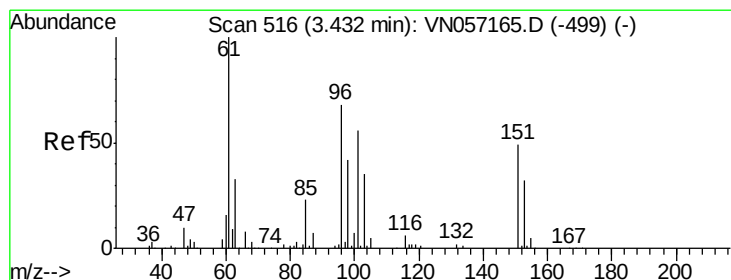
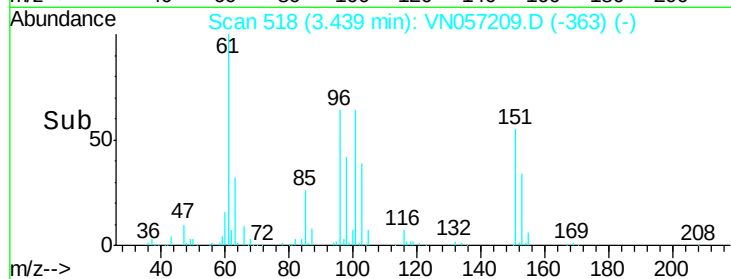
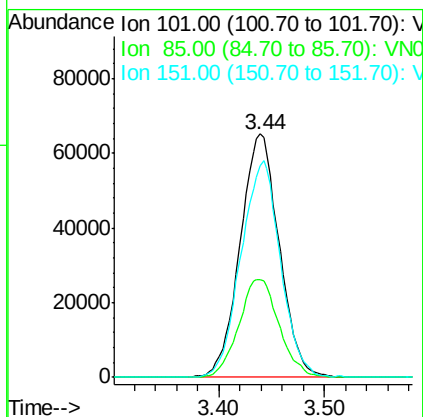
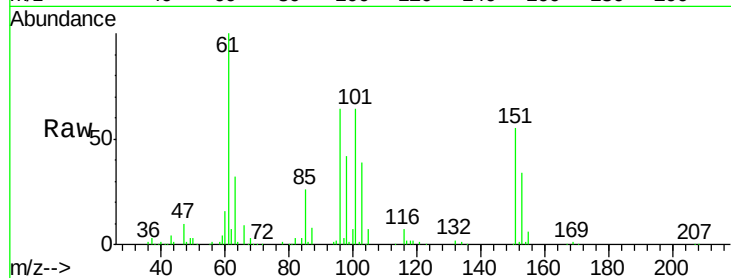
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	167982
Ion Ratio	Lower	Upper	
101	100		
85	41.4	0.0	84.4
151	89.8	0.0	175.0

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#10

1,1-Dichloroethene

Concen: 17.777 ug/l

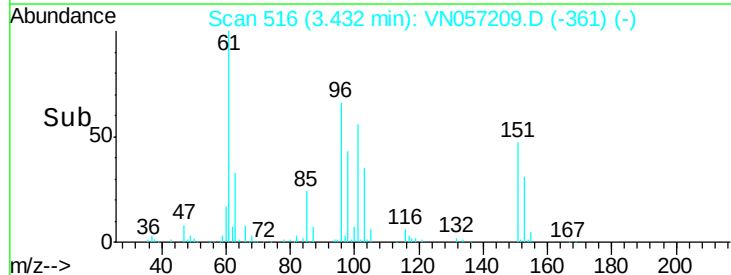
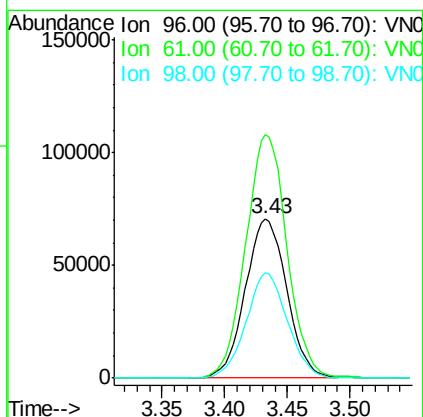
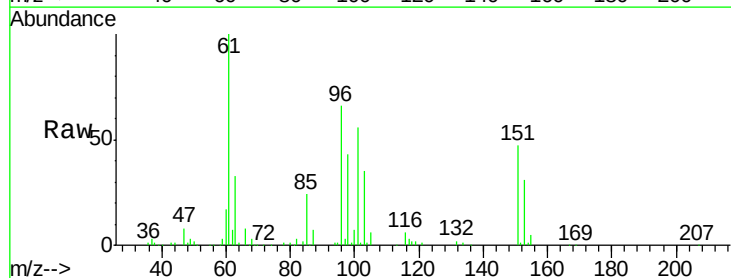
RT: 3.43 min Scan# 516

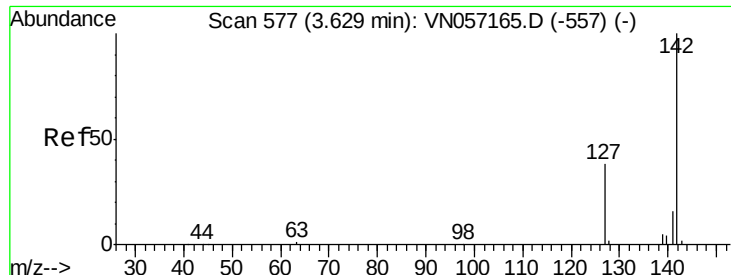
Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	96	Resp:	162623
Ion Ratio	Lower	Upper	
96	100		
61	152.5	118.2	177.2
98	65.6	49.3	73.9





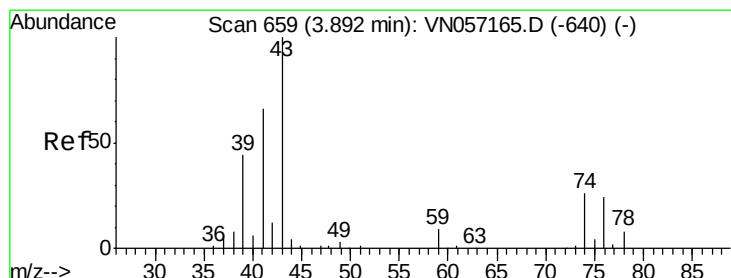
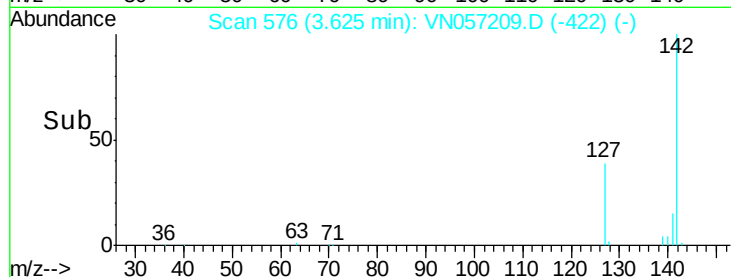
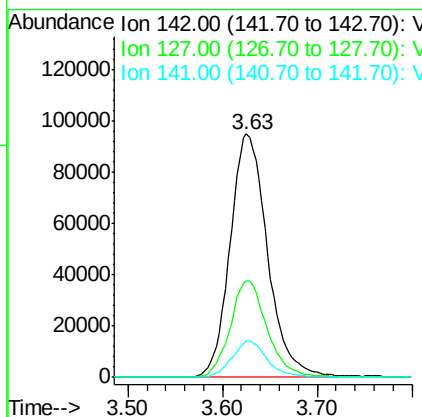
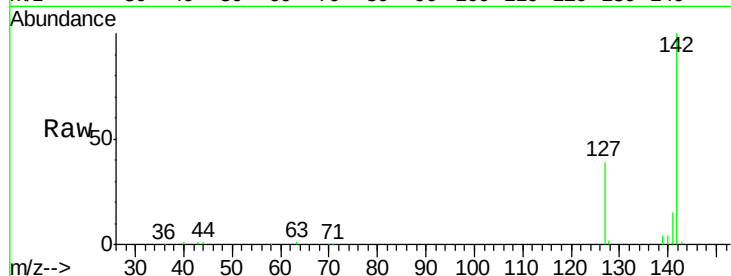
#11
Methvl Iodide
Concen: 18.329 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	19.0	57.0
141	14.7	7.8	23.5

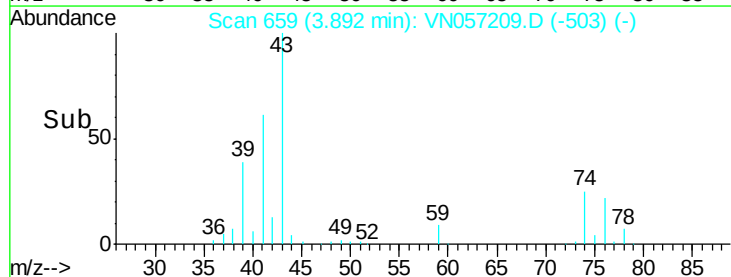
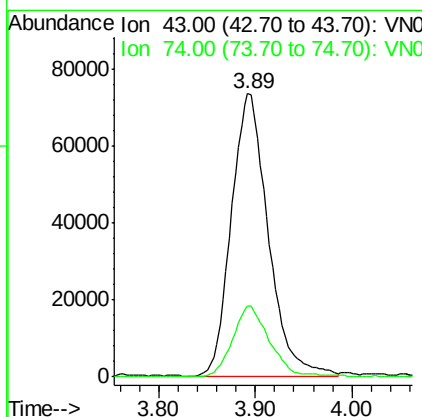
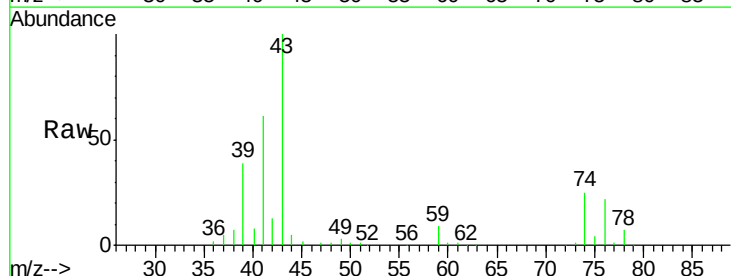
Manual Integrations
APPROVED

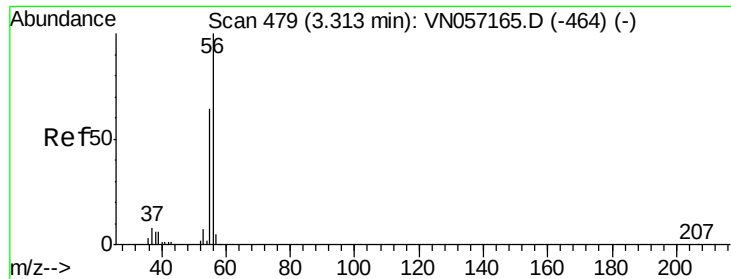
MMDadoda
8/14/2019 9:23:43 AM



#12
Methyl Acetate
Concen: 20.560 ug/l
RT: 3.89 min Scan# 659
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.5	30.7





#13

Acrolein

Concen: 92.885 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.01 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 97613

Ion Ratio Lower Upper

56 100

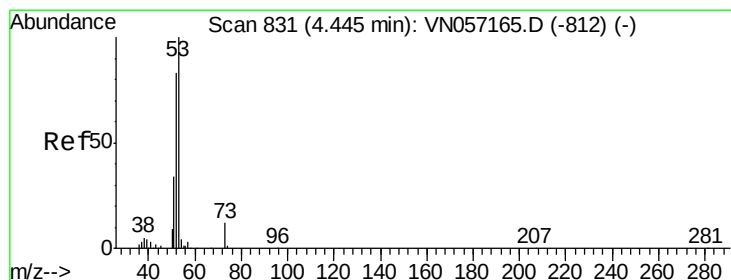
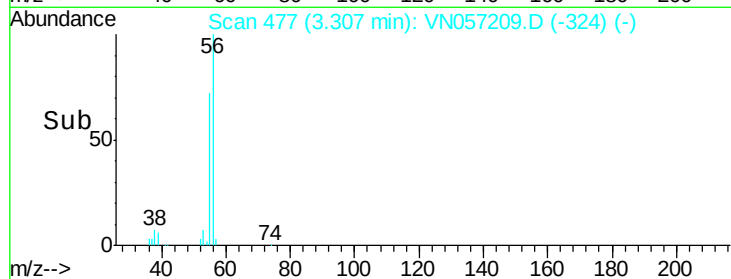
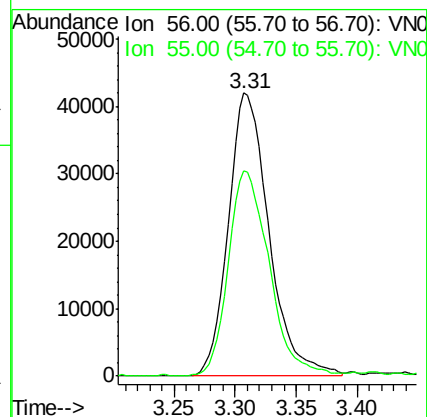
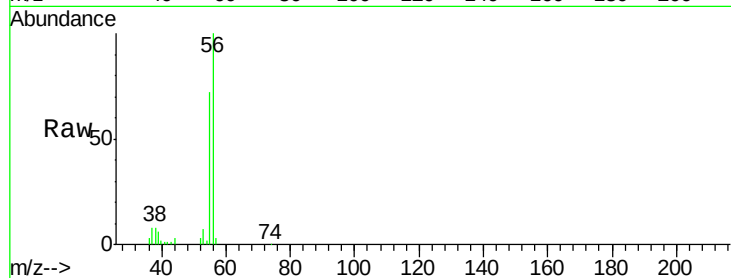
55 72.9 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:43 AM



#14

Acrylonitrile

Concen: 95.548 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

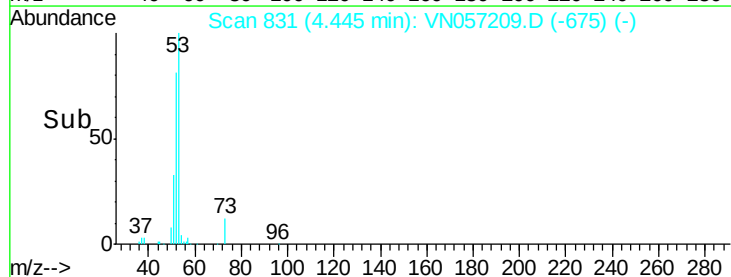
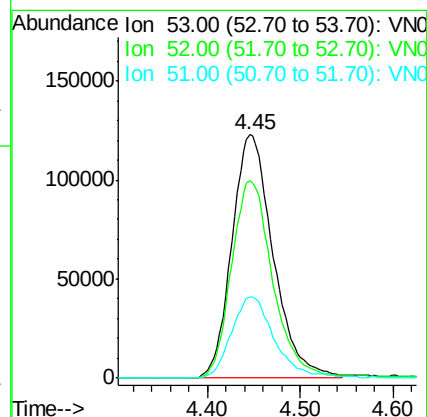
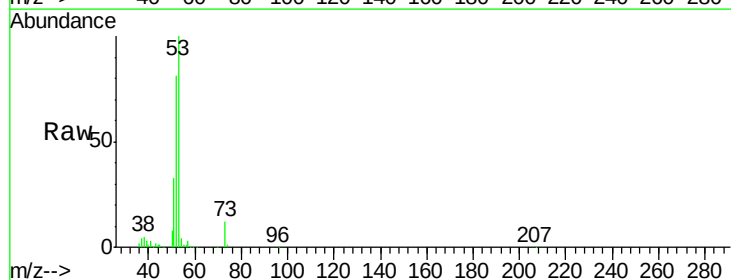
Tgt Ion: 53 Resp: 379868

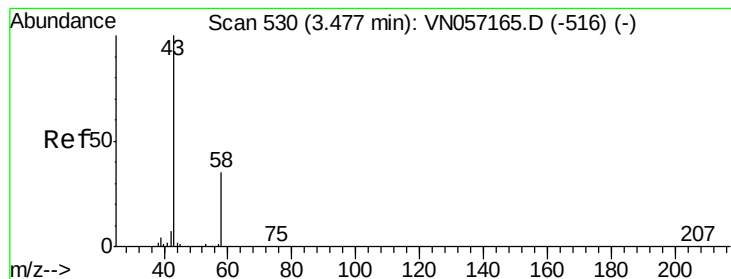
Ion Ratio Lower Upper

53 100

52 80.7 41.1 123.4

51 33.9 17.4 52.3





#15

Acetone

Concen: 79.092 ug/l

RT: 3.48 min Scan# 530

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 104359

Ion Ratio Lower Upper

58 100

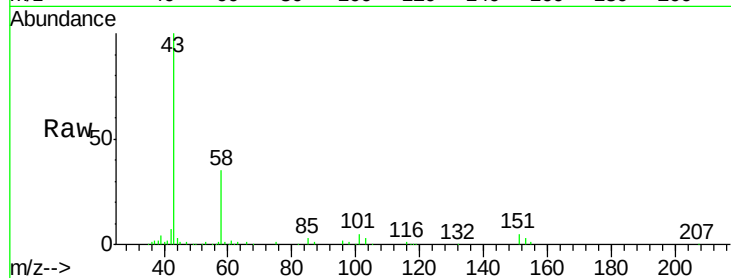
43 281.9 226.2 339.2

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:43 AM



Abundance Ion 58.00 (57.70 to 58.70): VN057209.D (-375) (-)

Ion 43.00 (42.70 to 43.70): VN057209.D (-375) (-)

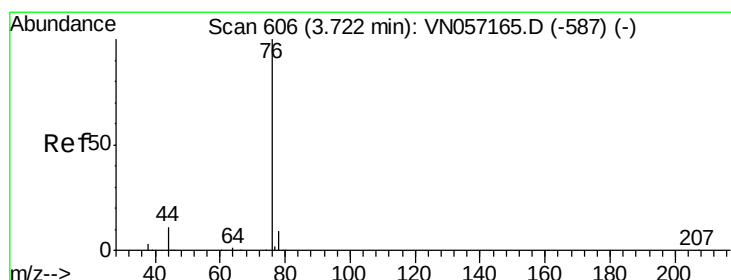
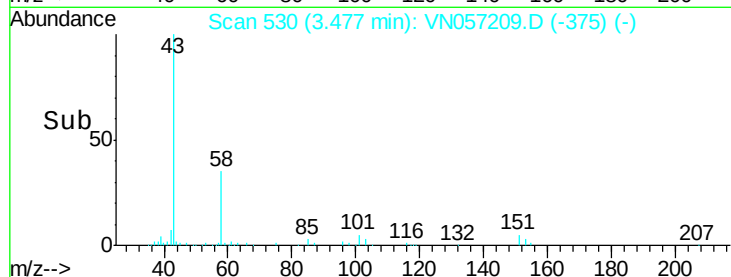
100000

50000

3.48

0

Time-->



#16

Carbon Disulfide

Concen: 17.747 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN057209.D

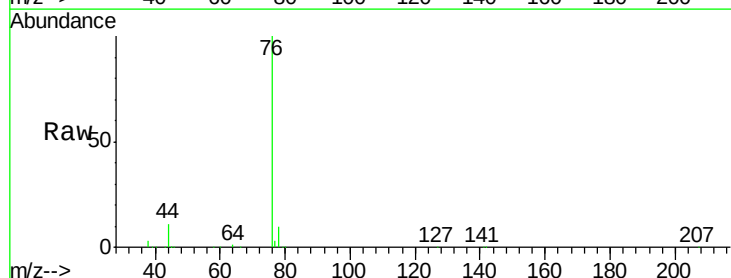
Acq: 12 Aug 2019 12:11

Tgt Ion: 76 Resp: 437978

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN057209.D (-451) (-)

Ion 78.00 (77.70 to 78.70): VN057209.D (-451) (-)

200000

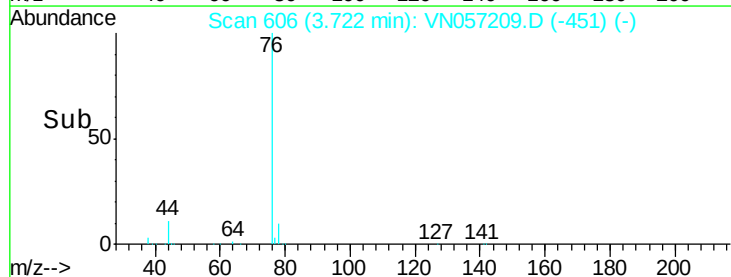
150000

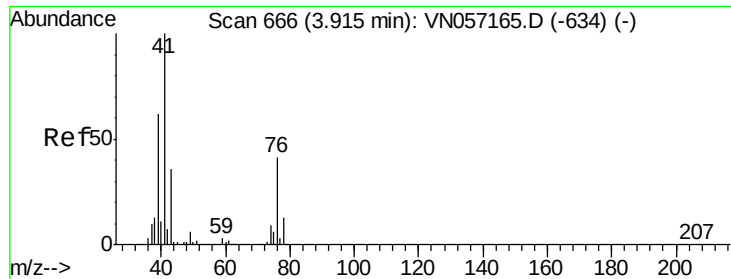
100000

50000

0

Time-->





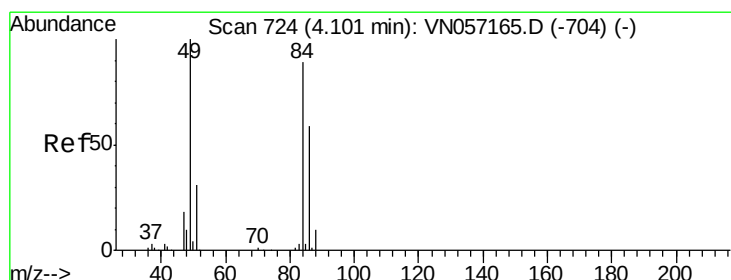
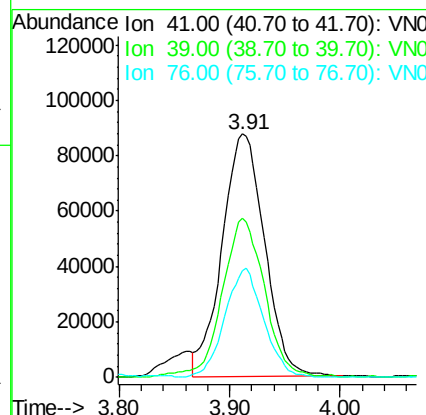
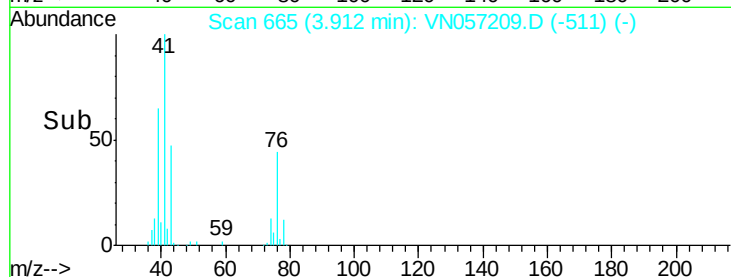
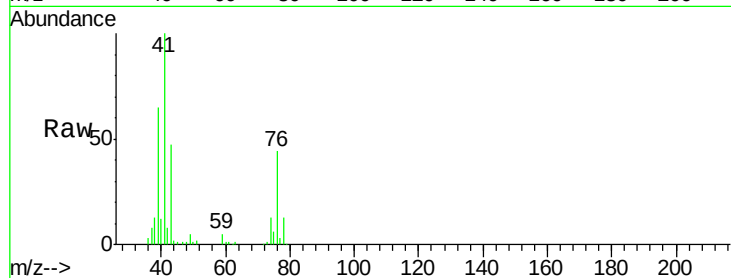
#17
Allvl chloride
Concen: 17.357 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	234073
Ion	Ratio	Lower	Upper
41	100		
39	65.5	31.2	93.6
76	43.9	20.5	61.6

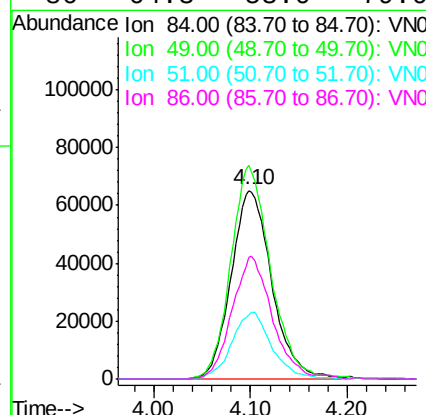
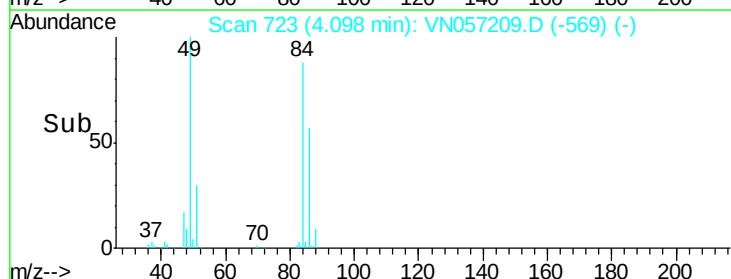
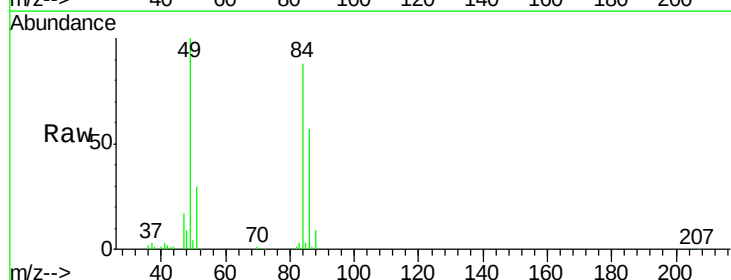
Manual Integrations
APPROVED

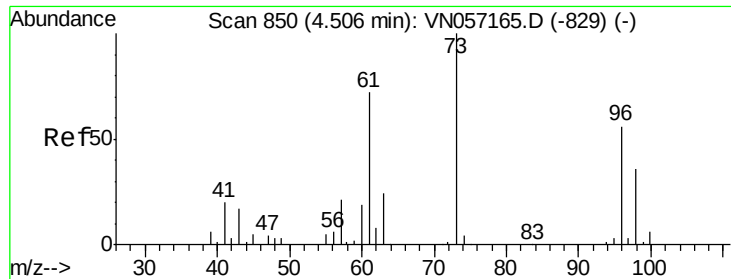
MMDadoda
8/14/2019 9:23:43 AM



#18
Methylene Chloride
Concen: 18.347 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion:	84	Resp:	190269
Ion	Ratio	Lower	Upper
84	100		
49	112.7	90.1	135.1
51	33.9	27.9	41.9
86	64.3	53.0	79.6





#19

trans-1,2-Dichloroethene

Concen: 17.900 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 175548

Ion Ratio Lower Upper

96 100

61 131.5 103.6 155.4

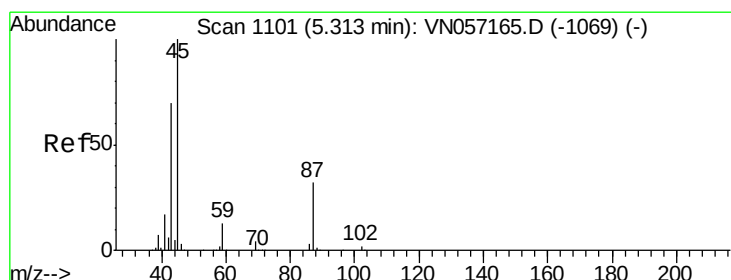
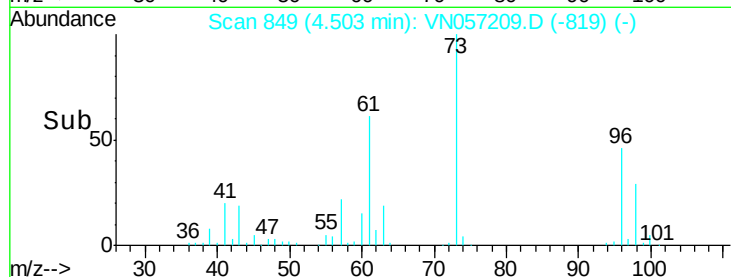
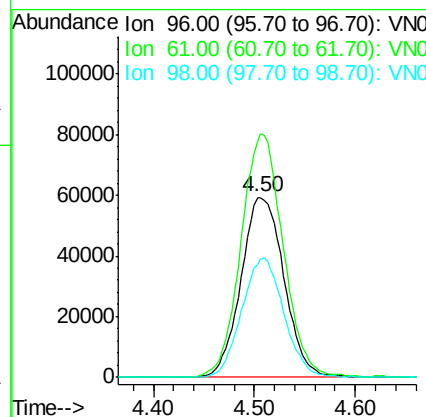
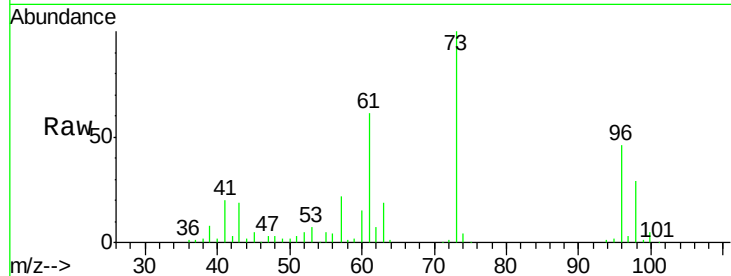
98 63.2 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:43 AM



#20

Diisopropyl ether

Concen: 18.453 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion: 45 Resp: 507523

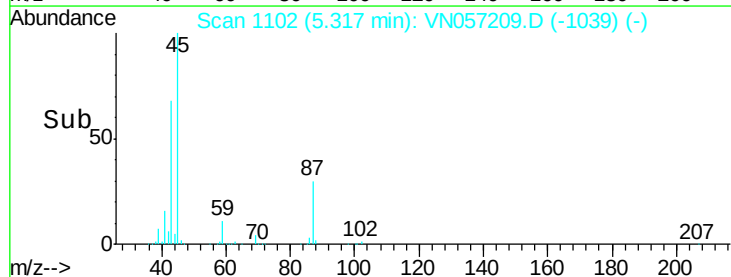
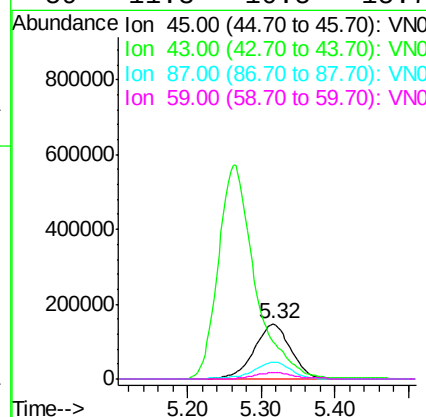
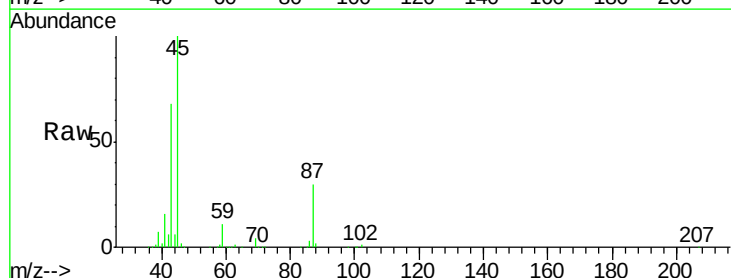
Ion Ratio Lower Upper

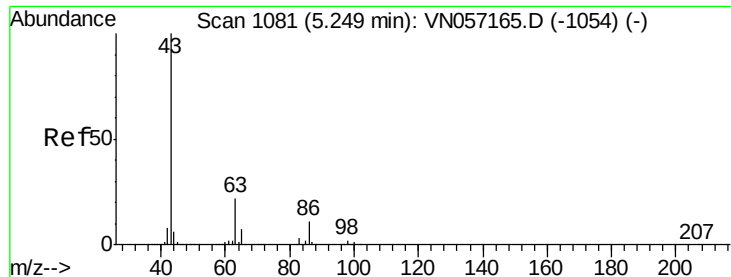
45 100

43 66.1 60.0 90.0

87 29.6 25.9 38.9

59 11.3 10.5 15.7





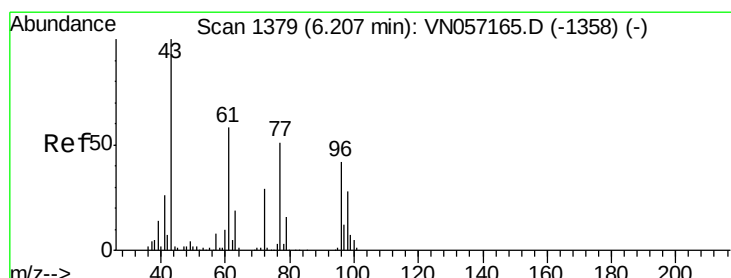
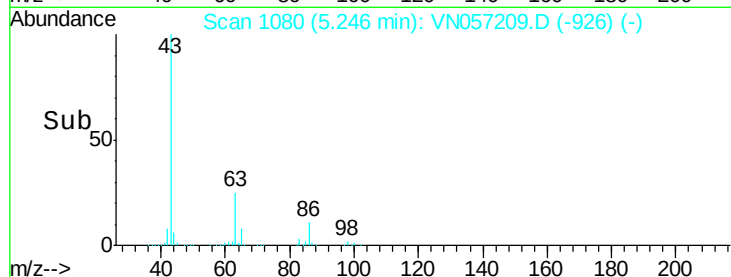
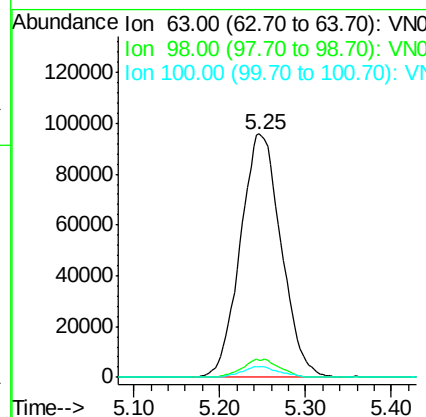
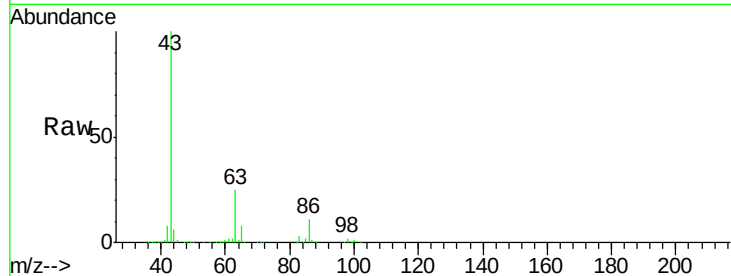
#21
 1,1-Dichloroethane
 Concen: 18.452 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.2	3.5	10.4	
100	4.5	1.9	5.7	

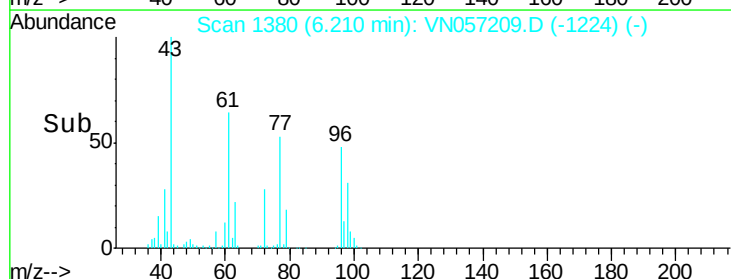
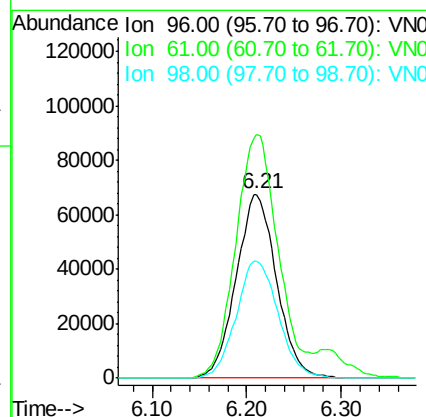
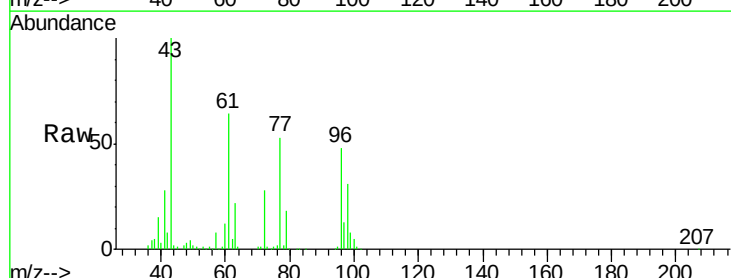
Manual Integrations
 APPROVED

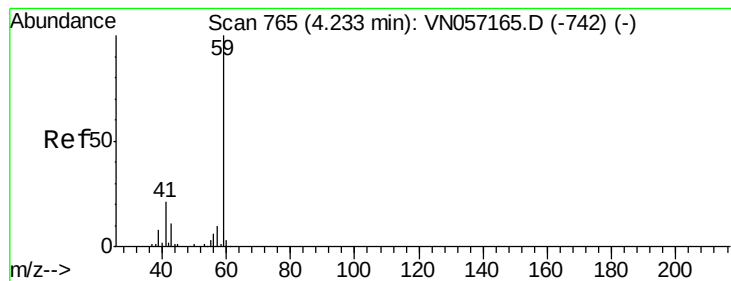
MMDadoda
 8/14/2019 9:23:43 AM



#22
 cis-1,2-Dichloroethene
 Concen: 17.948 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.1	109.2	163.8	
98	65.5	51.7	77.5	





#23

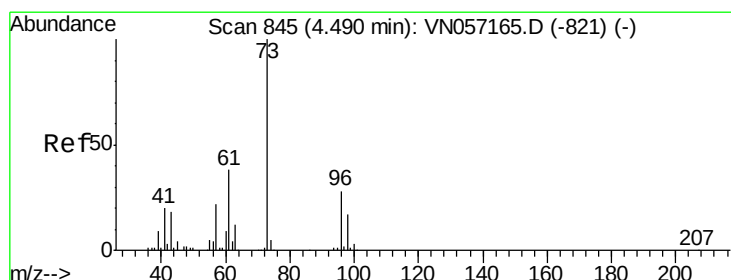
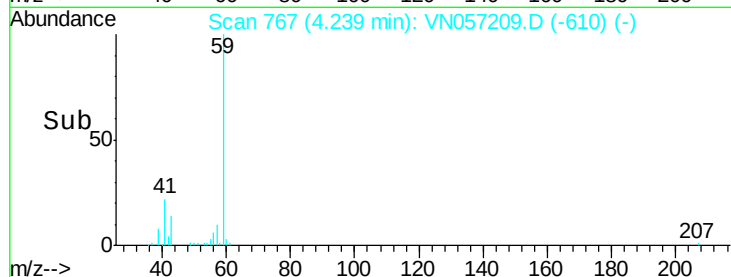
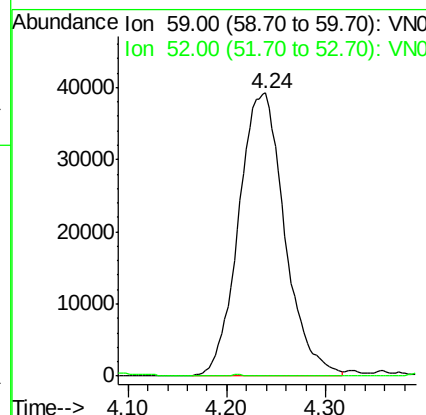
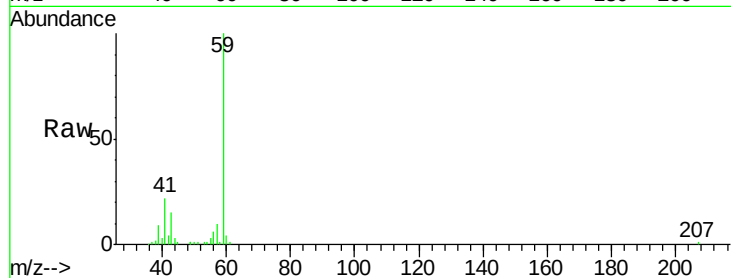
tert-Butyl Alcohol
Concen: 96.639 ug/l
RT: 4.24 min Scan# 767
Delta R.T. 0.01 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	59	52	Ratio	100	0.1	Resp	126783	Lower	0.2	Upper	0.2#
Ion	59	52	Ratio	100	0.1	Resp	126783	Lower	0.2	Upper	0.2#

Manual Integrations
APPROVED

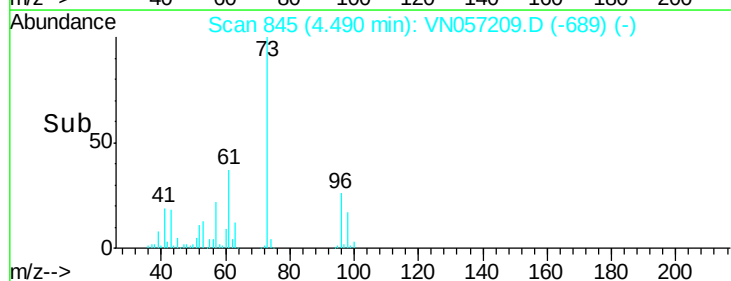
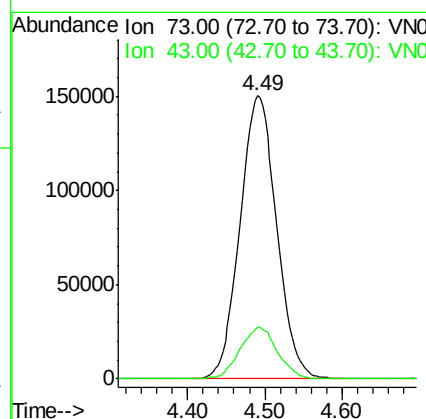
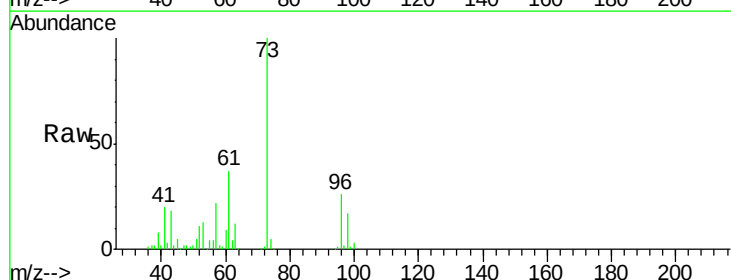
MMDadoda
8/14/2019 9:23:43 AM

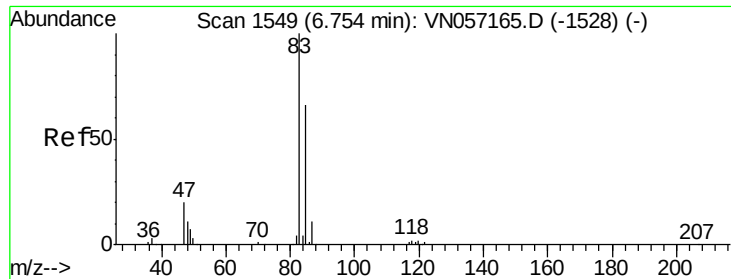


#24

Methyl tert-Butyl Ether
Concen: 18.411 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	73	43	Ratio	100	18.5	Resp	495244	Lower	14.3	Upper	21.5
Ion	73	43	Ratio	100	18.5	Resp	495244	Lower	14.3	Upper	21.5





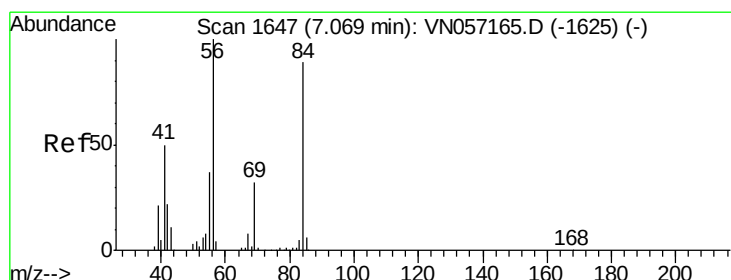
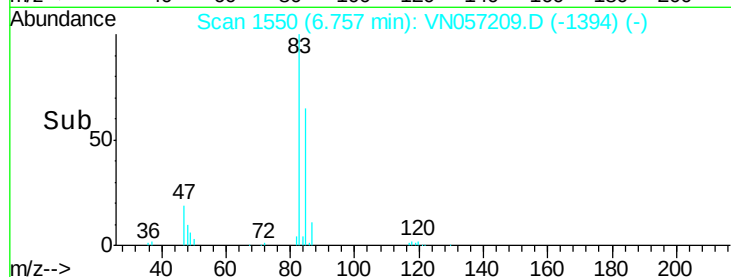
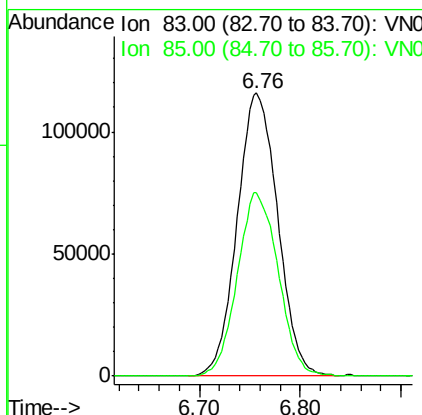
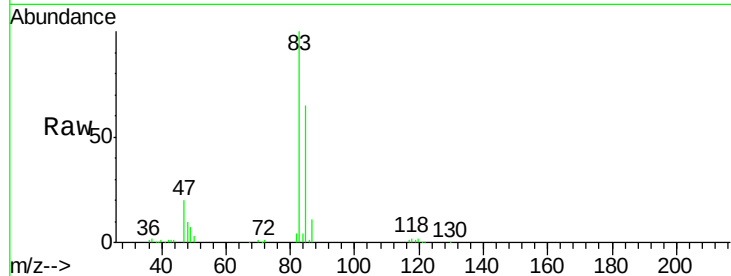
#25
Chloroform
Concen: 18.342 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	83	Resp	323084
Ion Ratio	100	Lower	Upper
85	64.7	52.5	78.7

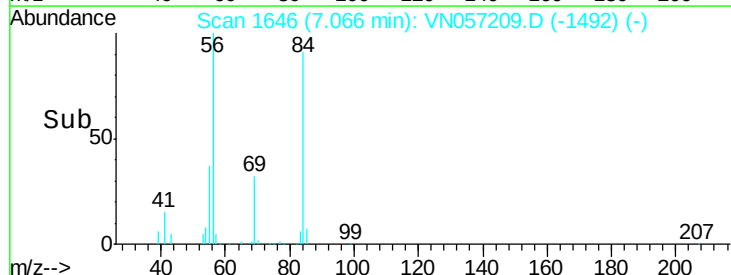
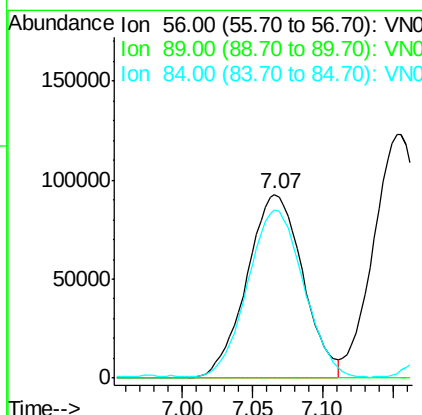
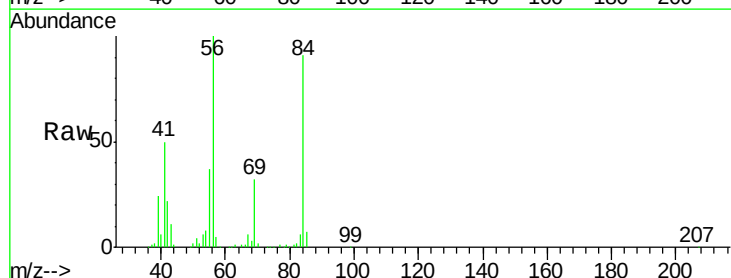
Manual Integrations
APPROVED

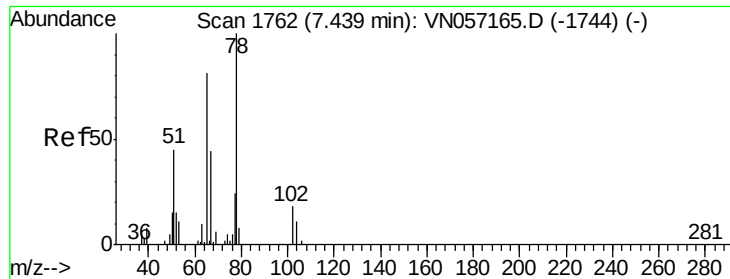
MMDadoda
8/14/2019 9:23:43 AM



#26
Cyclohexane
Concen: 17.537 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	56	Resp	256812
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	92.1	70.8	106.2





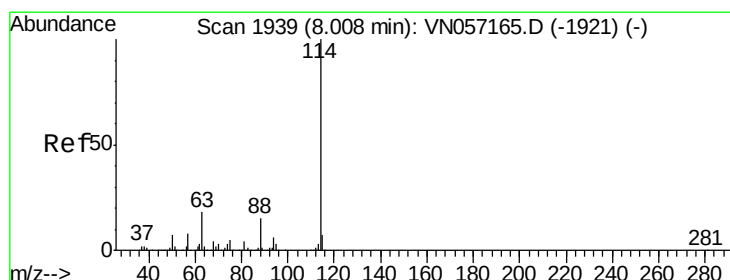
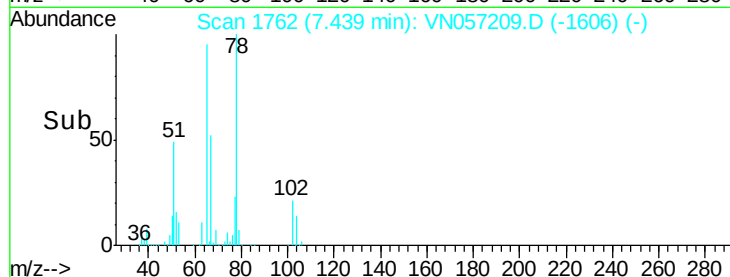
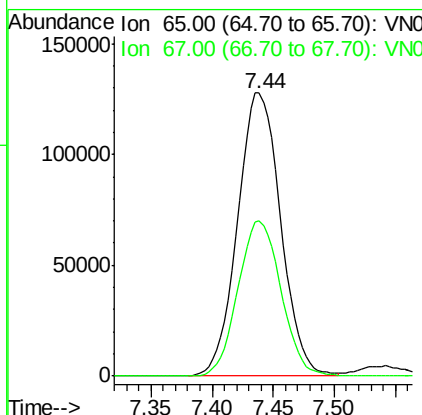
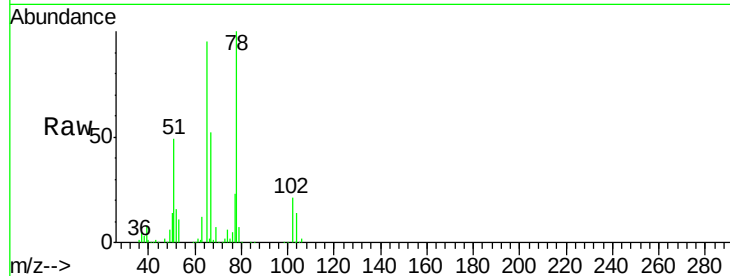
#27
 1,2-Dichloroethane-d4
 Concen: 30.035 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Tot Ion: 65 Resp: 312448
 Ion Ratio Lower Upper
 65 100
 67 54.8 42.4 63.6

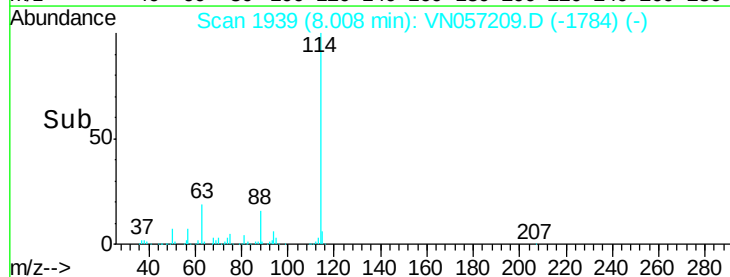
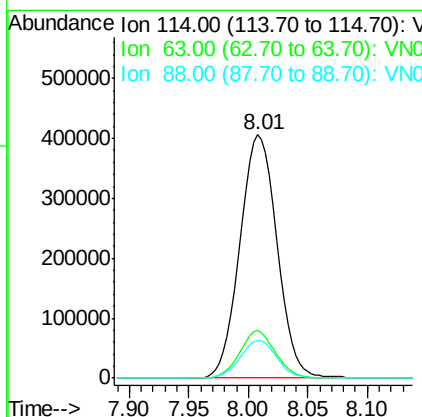
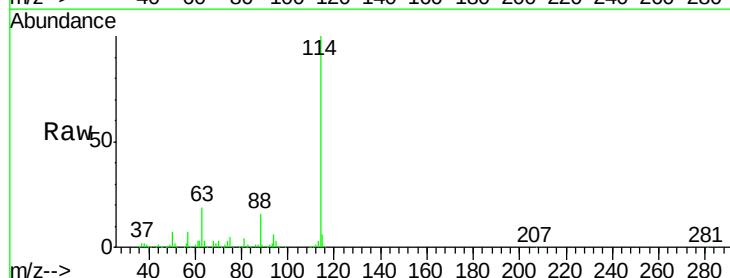
Manual Integrations
 APPROVED

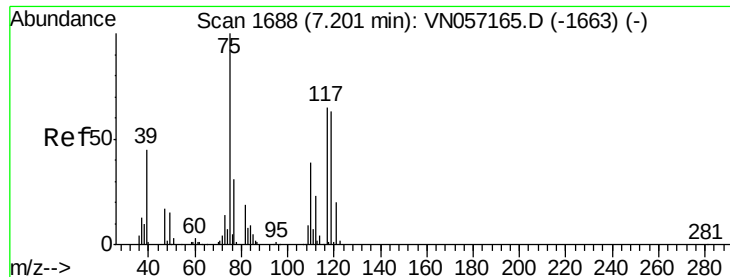
MMDadoda
 8/14/2019 9:23:43 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Tgt Ion: 114 Resp: 879422
 Ion Ratio Lower Upper
 114 100
 63 18.6 14.6 21.8
 88 15.1 12.2 18.2





#29

1,1-Dichloropropene

Concen: 17.879 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

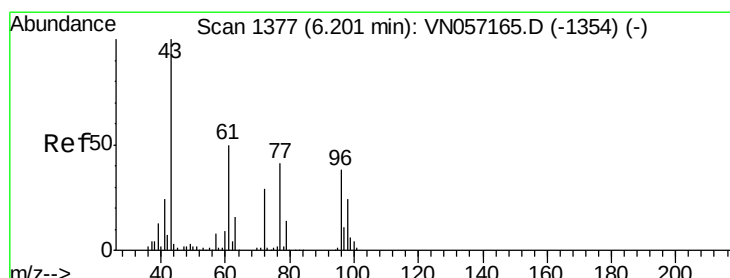
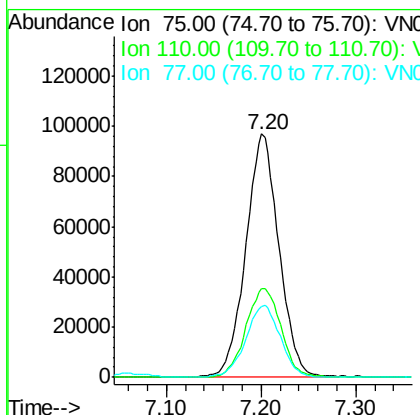
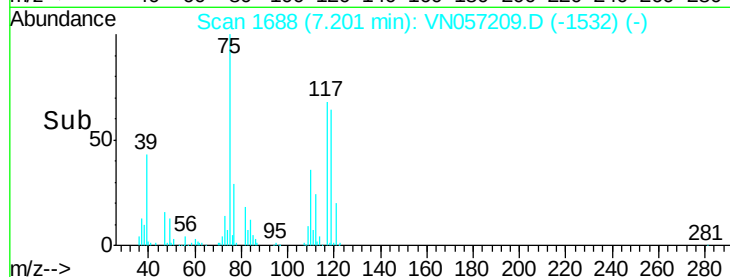
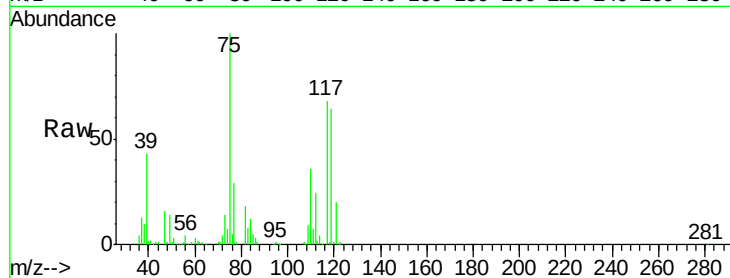
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	236450
Ion Ratio	Lower	Upper	
75	100		
110	38.5	0.0	75.6
77	30.7	0.0	62.4

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#30

2-Butanone

Concen: 88.657 ug/l

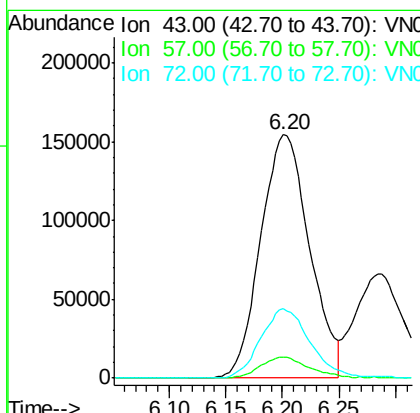
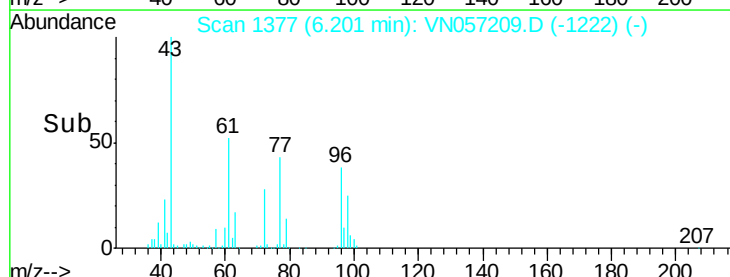
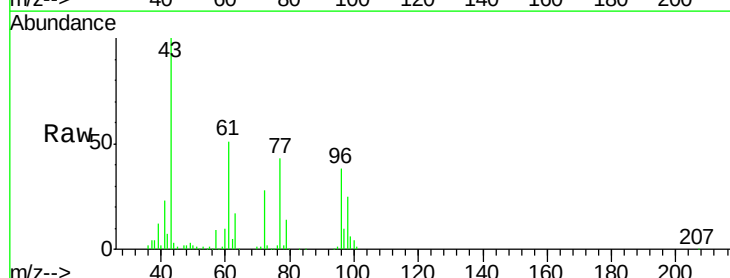
RT: 6.20 min Scan# 1377

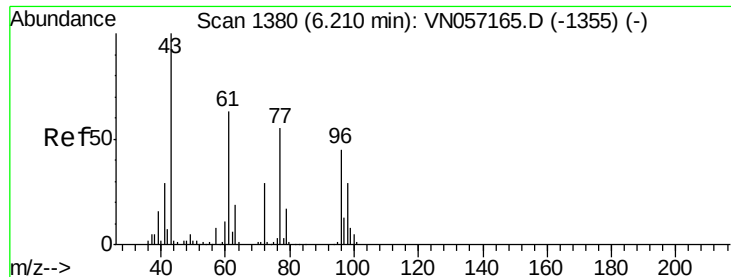
Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	43	Resp:	461610
Ion Ratio	Lower	Upper	
43	100		
57	8.6	6.8	10.2
72	29.0	23.0	34.6





#31

2,2-Dichloropropane

Concen: 17.429 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 246434

Ion Ratio Lower Upper

77 100

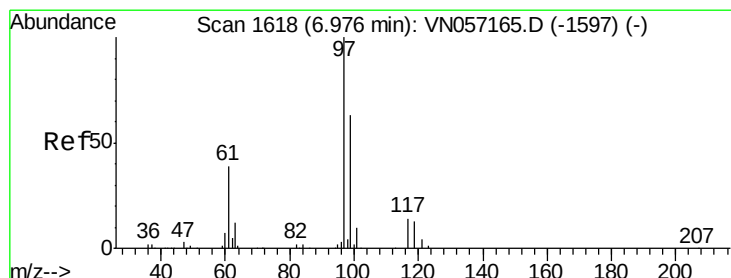
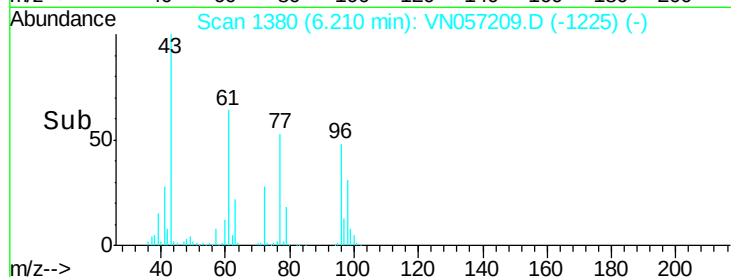
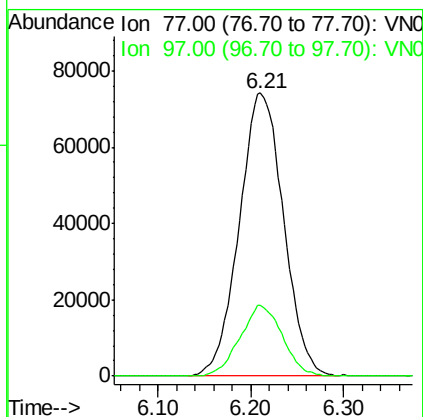
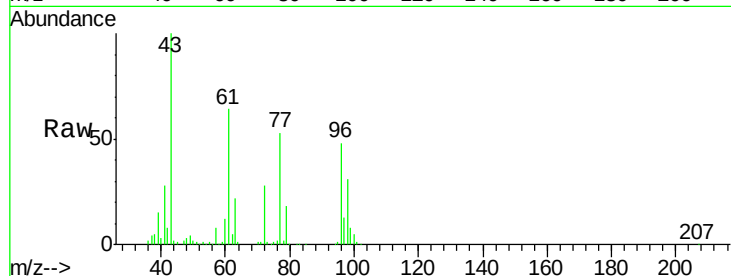
97 24.1 19.4 29.2

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:43 AM



#32

1,1,1-Trichloroethane

Concen: 18.313 ug/l

RT: 6.98 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

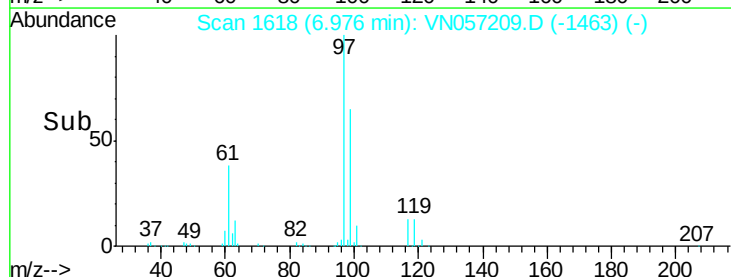
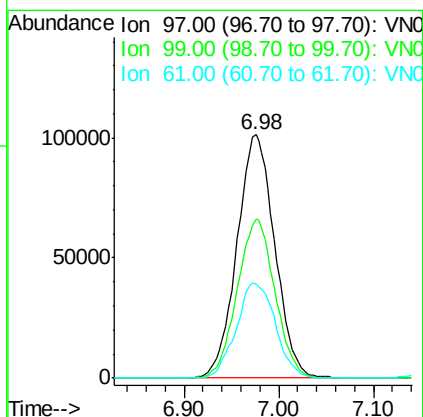
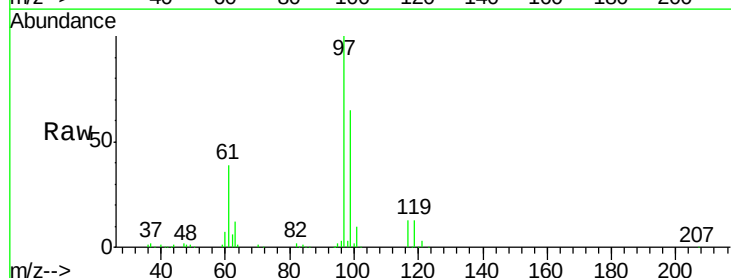
Tgt Ion: 97 Resp: 280471

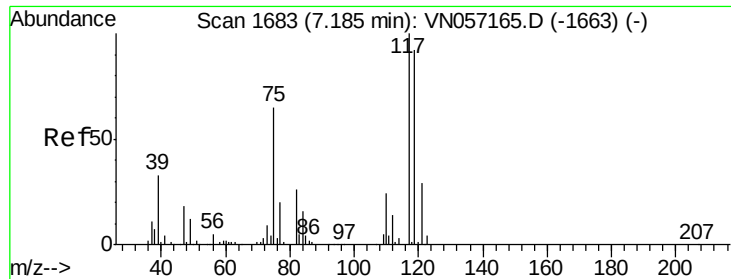
Ion Ratio Lower Upper

97 100

99 65.1 52.4 78.6

61 40.3 32.3 48.5





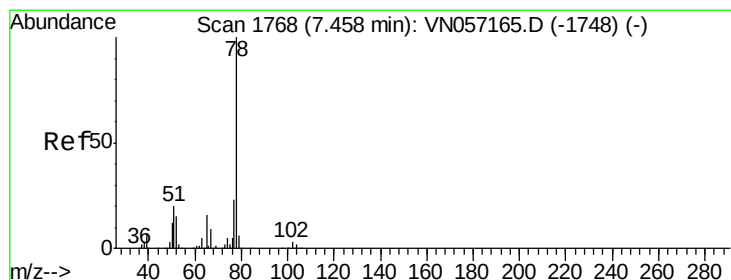
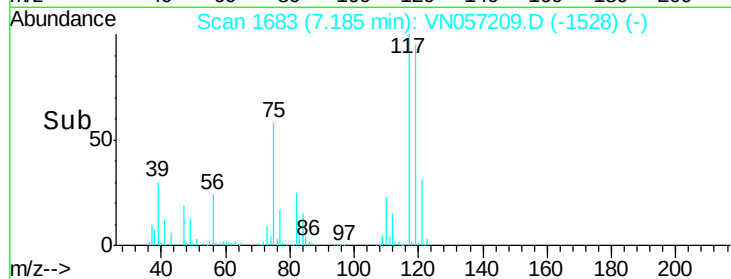
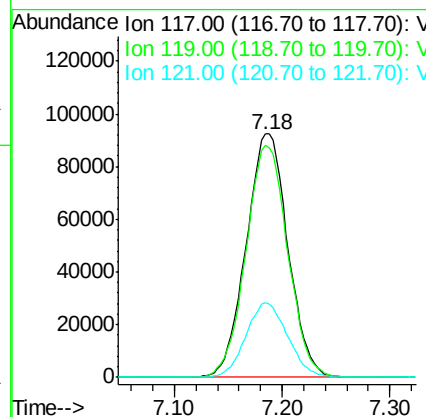
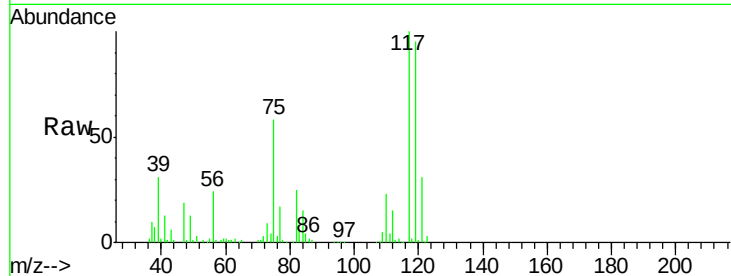
#33
Carbon Tetrachloride
Concen: 18.244 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		248733		
119	95.2	73.9	110.9		
121	30.9	23.4	35.2		

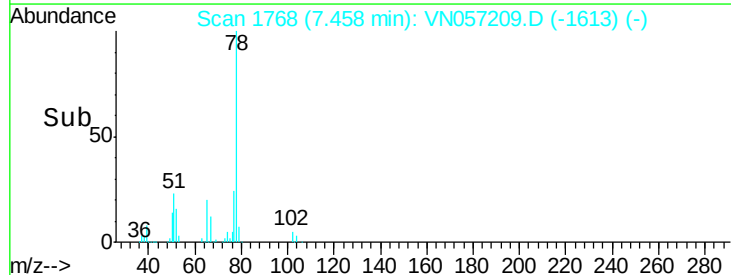
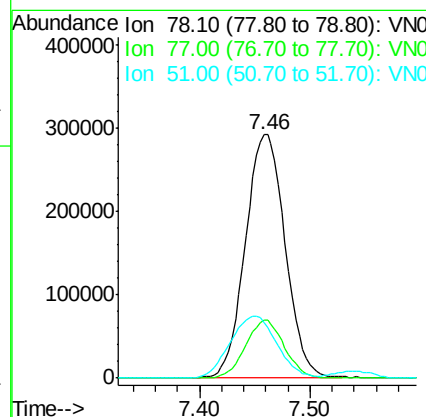
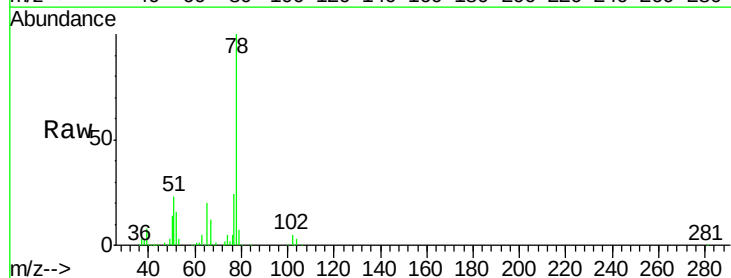
Manual Integrations
APPROVED

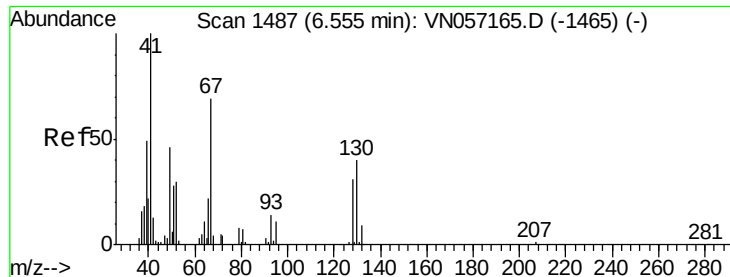
MMDadoda
8/14/2019 9:23:43 AM



#34
Benzene
Concen: 18.052 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		728754		
77	23.6	18.3	27.5		
51	22.7	16.2	24.2		





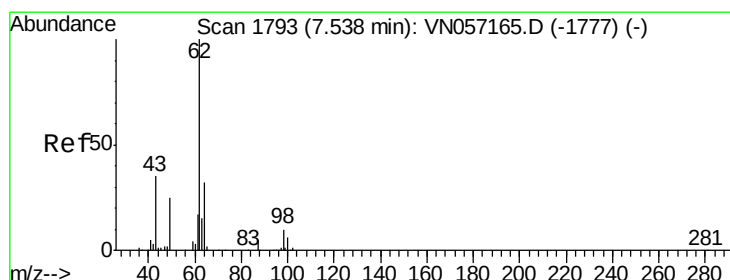
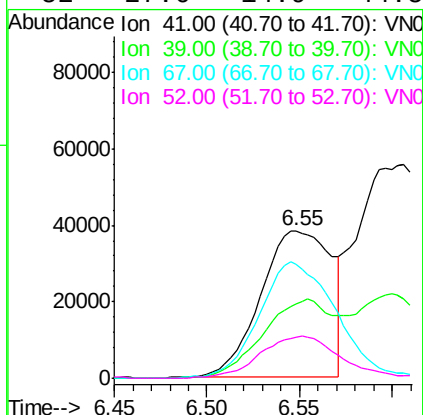
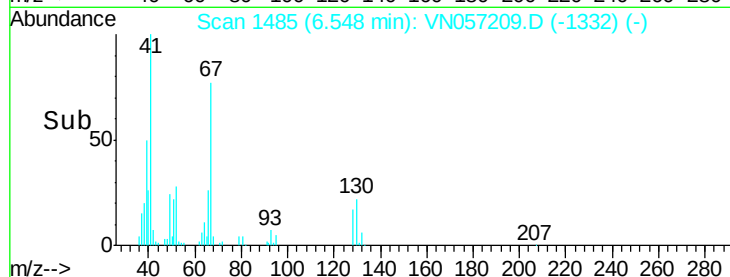
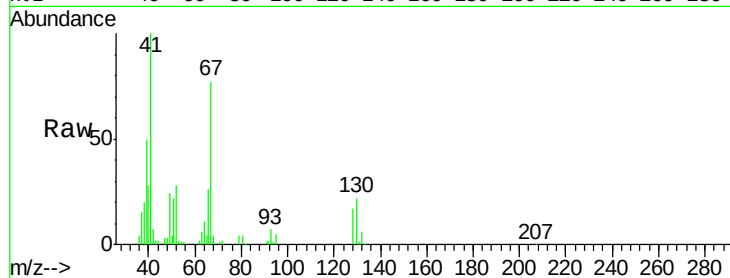
#35
Methacrylonitrile
Concen: 19.370 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	101928
Ion Ratio	Lower	Upper	
41	100		
39	50.0	24.6	74.0
67	77.2	34.4	103.2
52	27.6	14.9	44.5

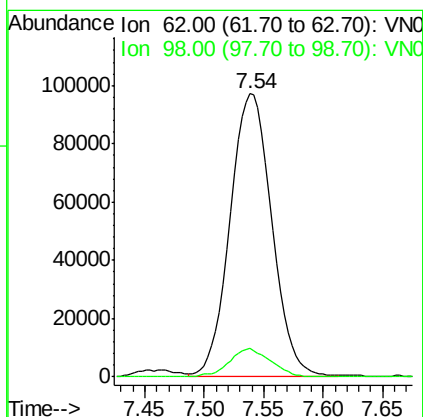
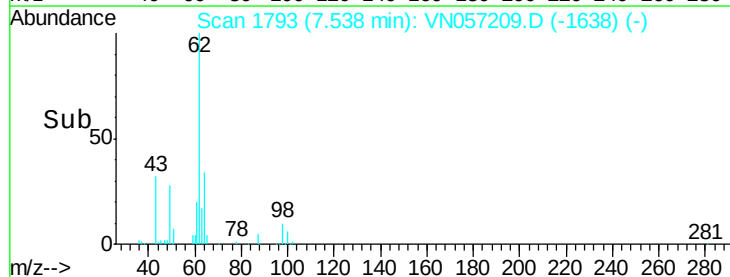
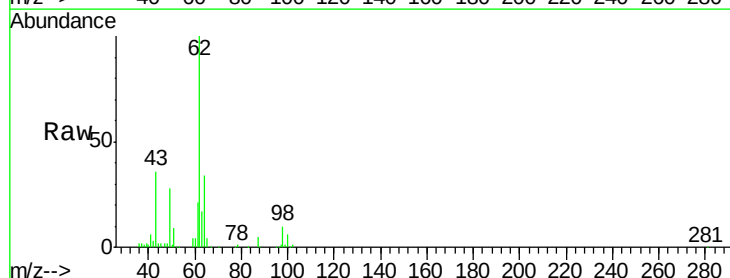
Manual Integrations
APPROVED

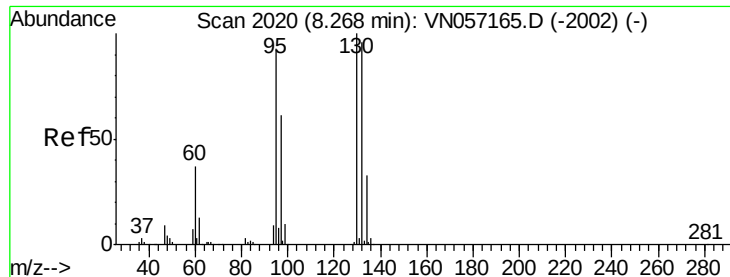
MMDadoda
8/14/2019 9:23:43 AM



#36
1,2-Dichloroethane
Concen: 18.406 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	62	Resp	237382
Ion Ratio	Lower	Upper	
62	100		
98	9.9	8.2	12.4





#37

Trichloroethene

Concen: 18.095 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 207575

Ion Ratio Lower Upper

130 100

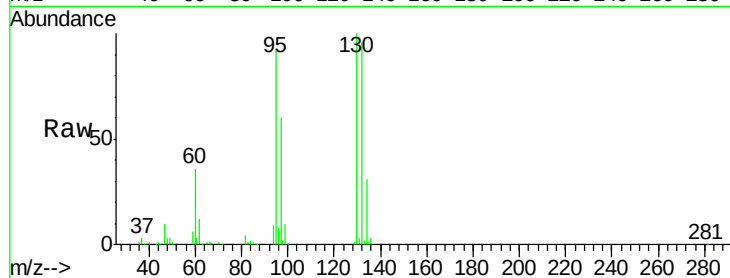
95 93.0 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:43 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.27

100000

80000

60000

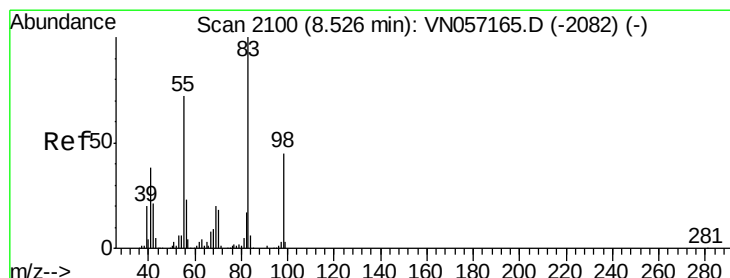
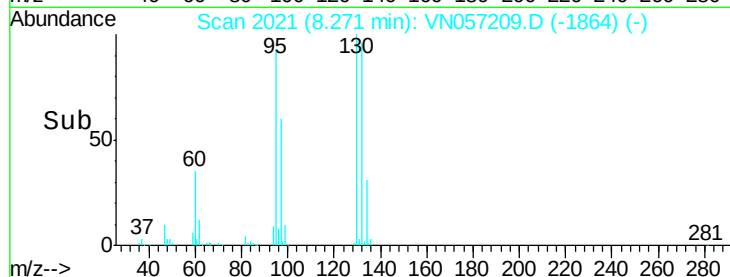
40000

20000

0

8.20 8.25 8.30 8.35

Time-->



#38

Methylcyclohexane

Concen: 17.551 ug/l

RT: 8.53 min Scan# 2100

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

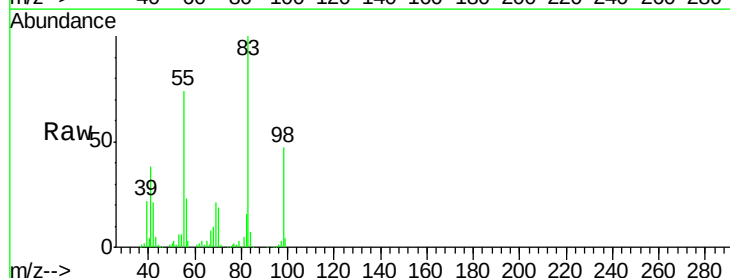
Tgt Ion: 83 Resp: 276987

Ion Ratio Lower Upper

83 100

55 73.3 36.5 109.7

98 46.7 23.4 70.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

8.53

150000

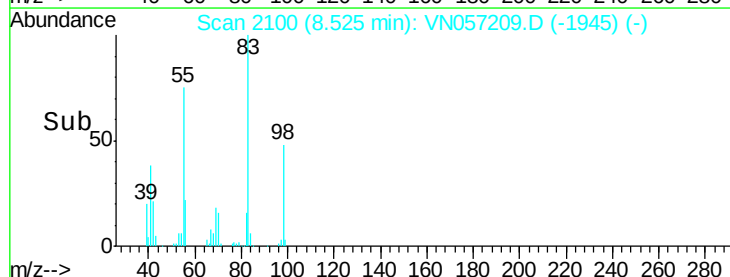
100000

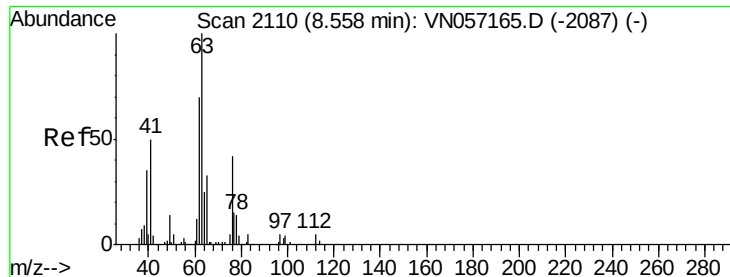
50000

0

8.45 8.50 8.55 8.60

Time-->





#39

1,2-Dichloropropane

Concen: 17.905 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 186315

Ion Ratio Lower Upper

63 100

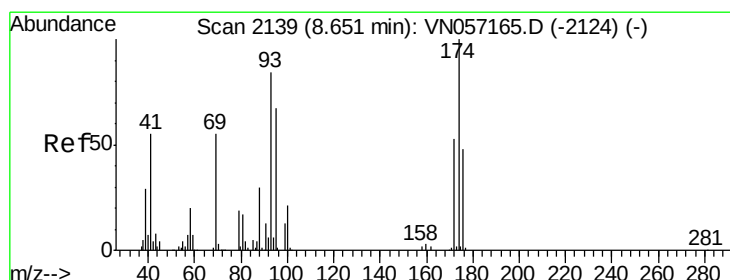
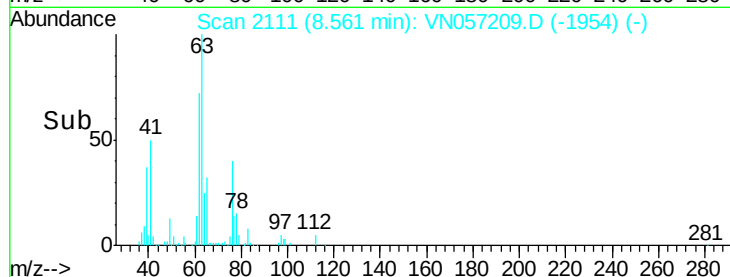
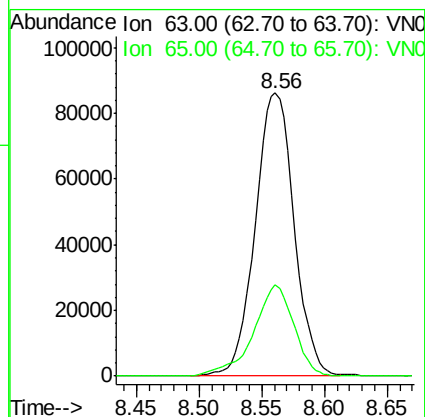
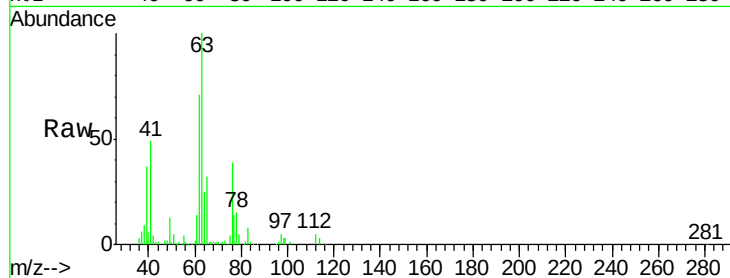
65 32.1 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:43 AM



#40

Dibromomethane

Concen: 18.548 ug/l

RT: 8.65 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

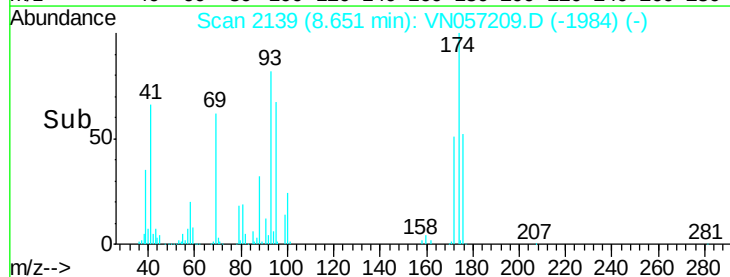
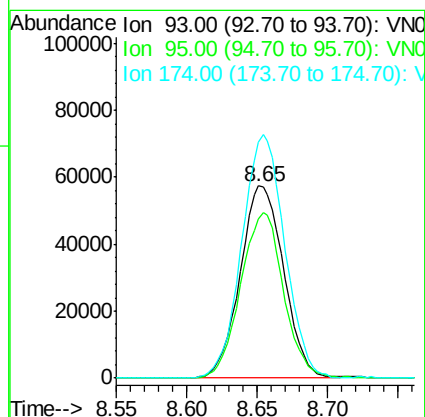
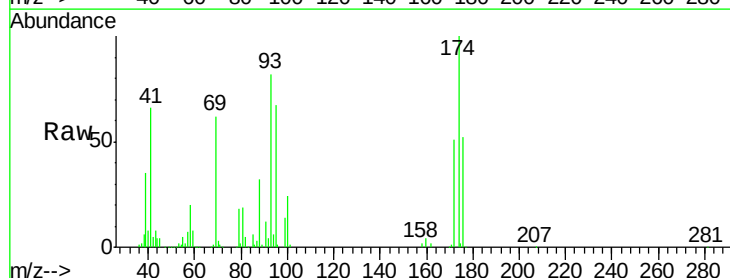
Tgt Ion: 93 Resp: 124250

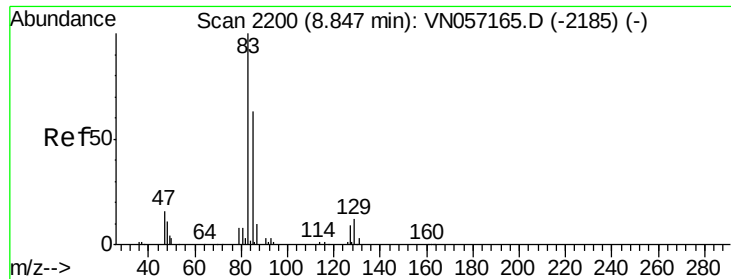
Ion Ratio Lower Upper

93 100

95 84.5 0.0 165.0

174 124.4 0.0 245.4





#41

Bromodichloromethane

Concen: 18.179 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

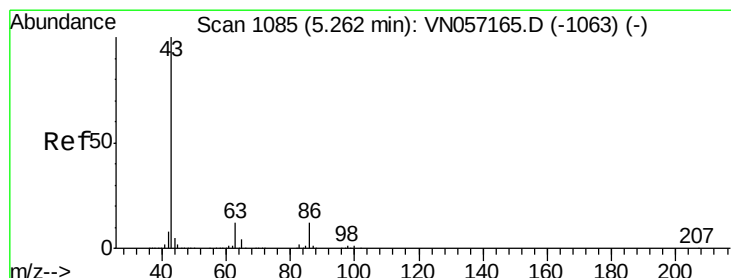
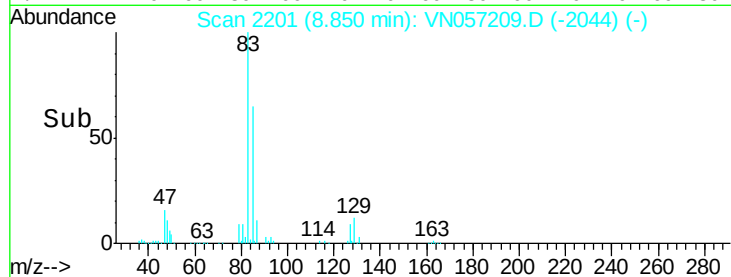
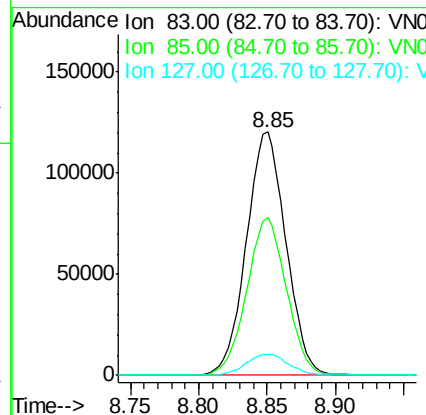
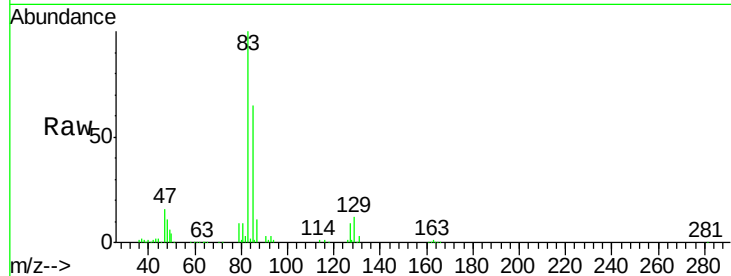
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	242152
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.6	76.0
127	8.8	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#42

Vinyl Acetate

Concen: 91.415 ug/l

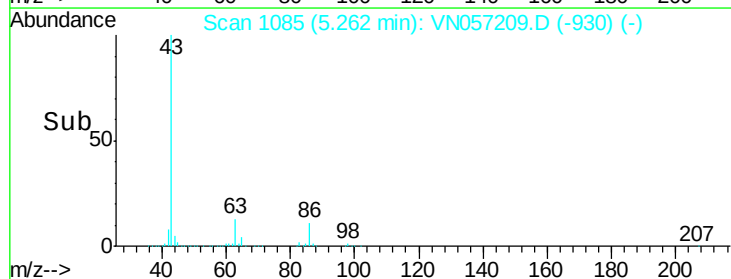
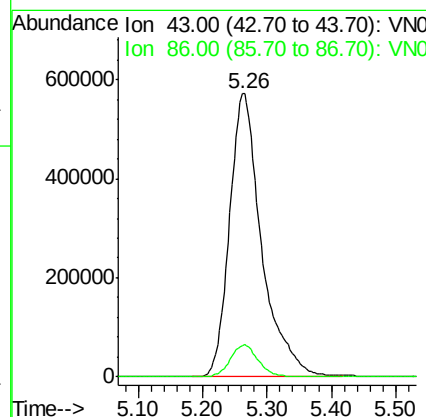
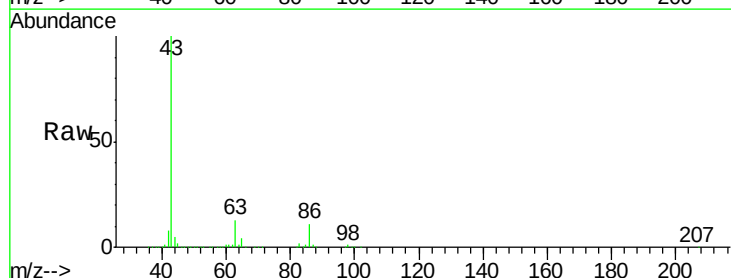
RT: 5.26 min Scan# 1085

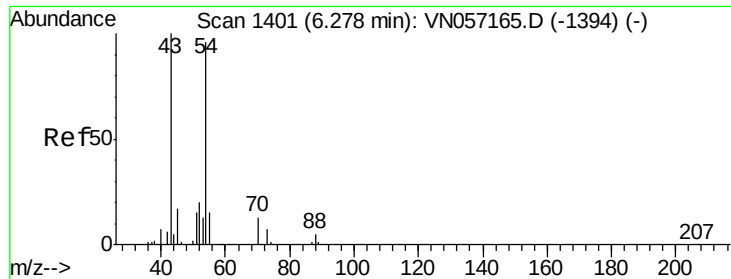
Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	43	Resp:	1978714
Ion Ratio	Lower	Upper	
43	100		
86	9.9	8.0	12.0





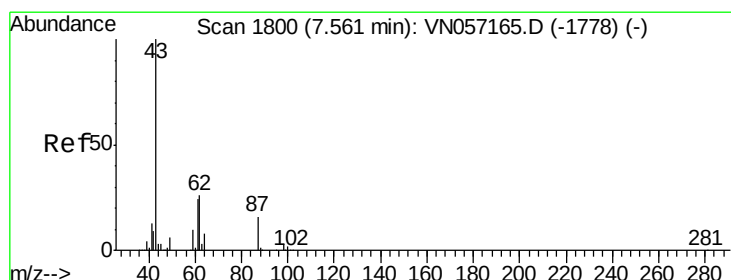
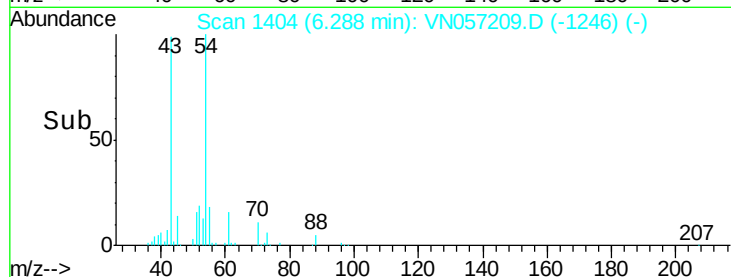
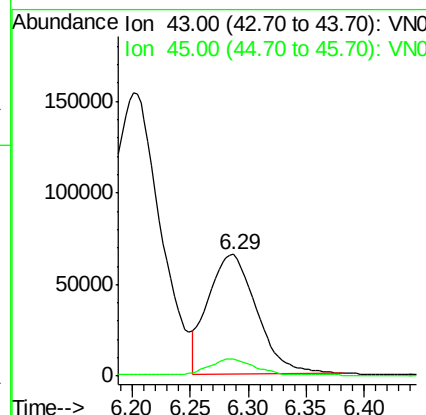
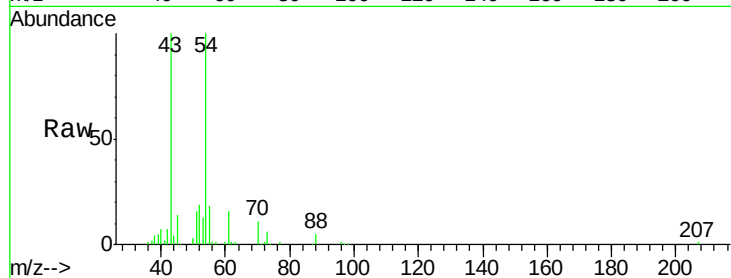
#43
Ethyl Acetate
Concen: 19.941 ug/l
RT: 6.29 min Scan# 1404
Delta R.T. 0.01 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
191490	100			
45	12.0	10.1	15.1	

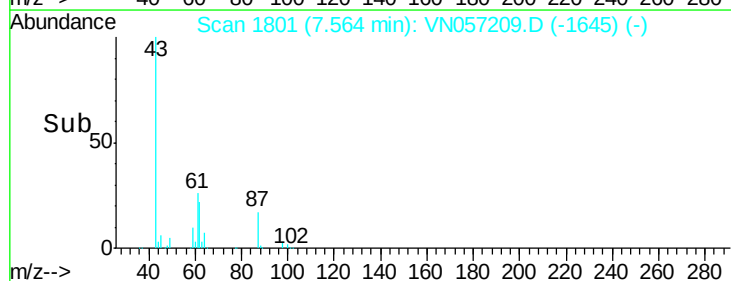
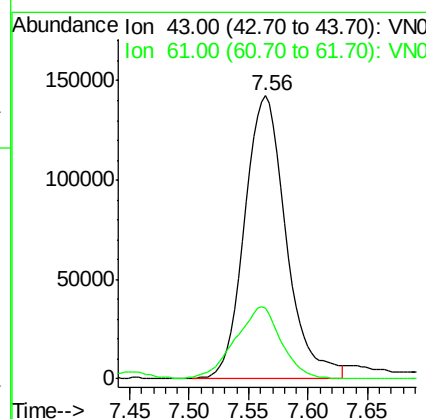
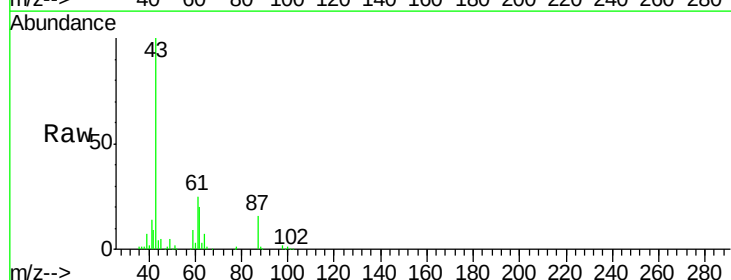
Manual Integrations
APPROVED

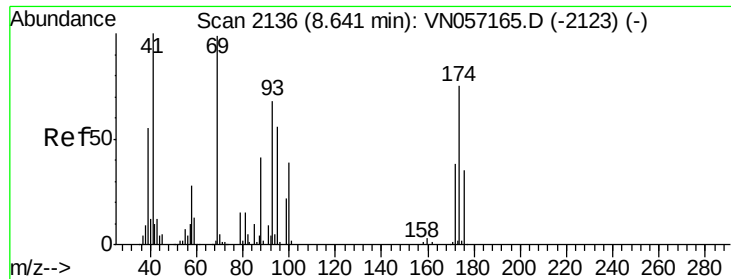
MMDadoda
8/14/2019 9:23:43 AM



#44
Isopropyl Acetate
Concen: 19.613 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	43	Ratio	Lower	Upper
341965	100			
61	28.1	22.2	33.4	





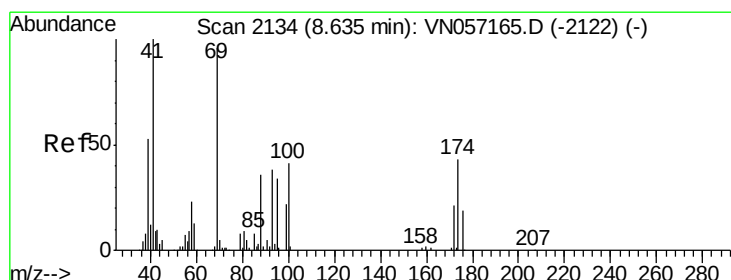
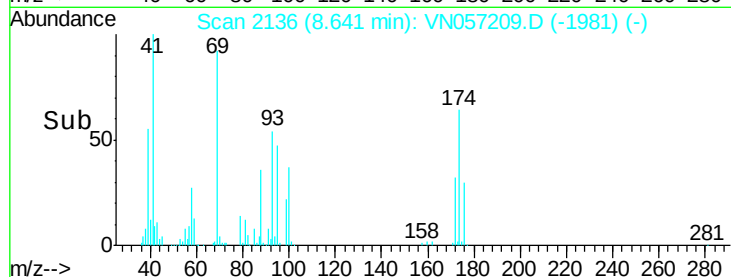
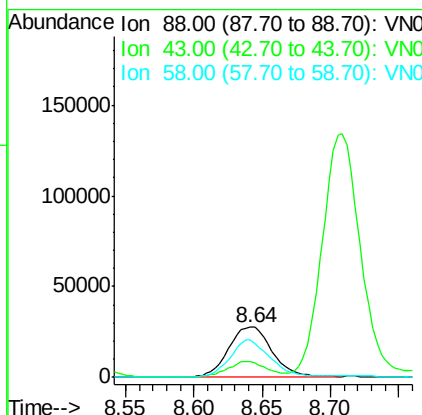
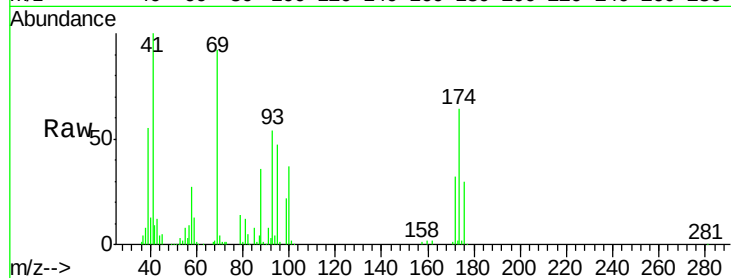
#45
 1,4-Dioxane
 Concen: 384.510 ug/l
 RT: 8.64 min Scan# 2136
 Delta R.T. -0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	62562
Ion	Ratio	Lower	Upper
88	100		
43	26.7	20.5	30.7
58	67.2	53.8	80.8

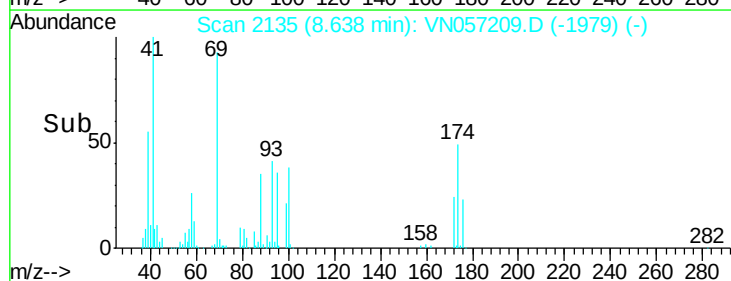
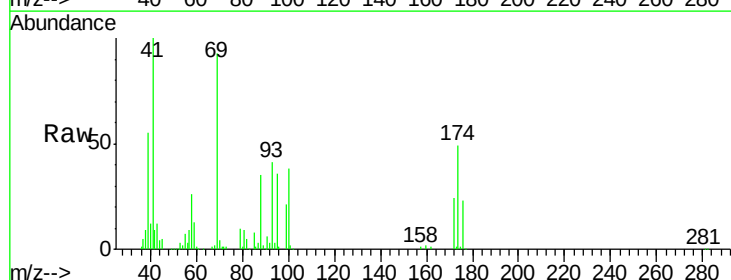
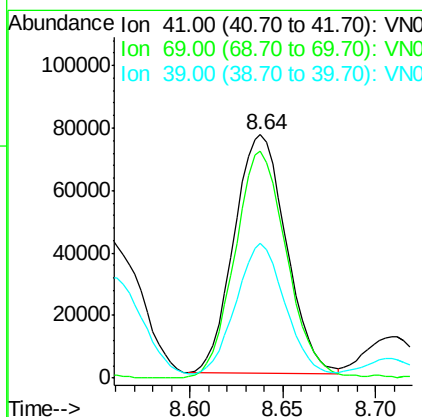
Manual Integrations
 APPROVED

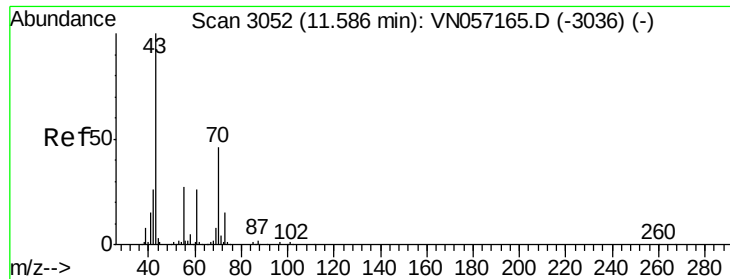
MMDadoda
 8/14/2019 9:23:43 AM



#46
 Methyl methacrylate
 Concen: 18.801 ug/l
 RT: 8.64 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Tgt Ion	41	Resp	149462
Ion	Ratio	Lower	Upper
41	100		
69	94.6	48.1	144.4
39	54.7	26.5	79.5





#47

n-amyl Acetate

Concen: 17.661 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 226542

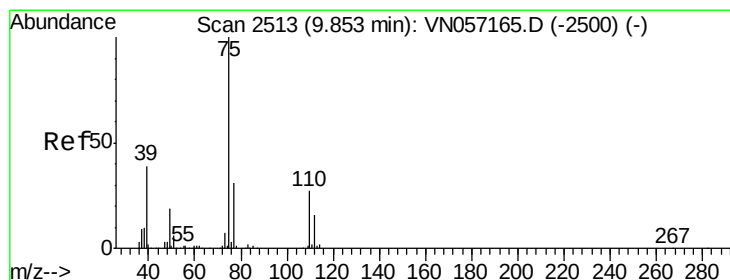
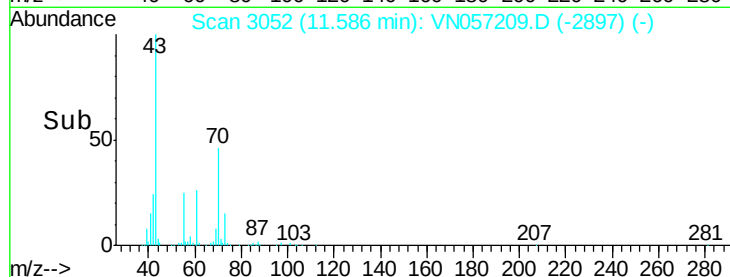
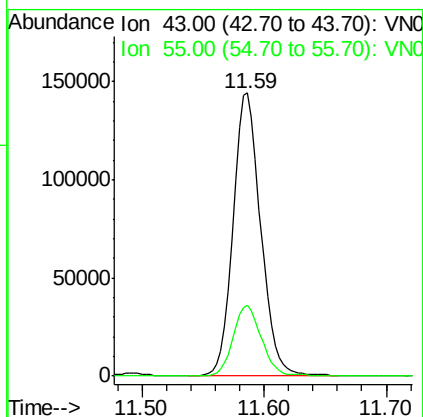
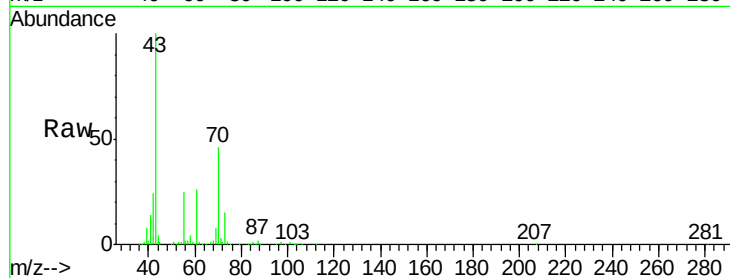
Ion Ratio Lower Upper

43 100

55 25.4 20.7 31.1

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#48

t-1,3-Dichloropropene

Concen: 18.096 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057209.D

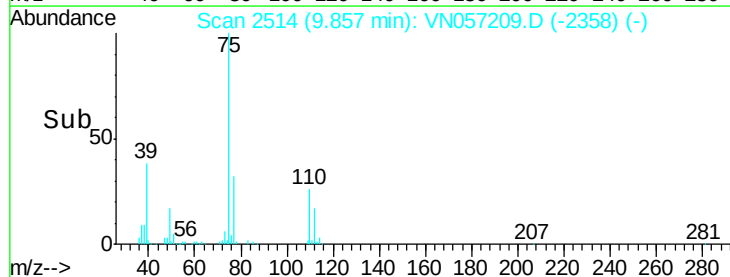
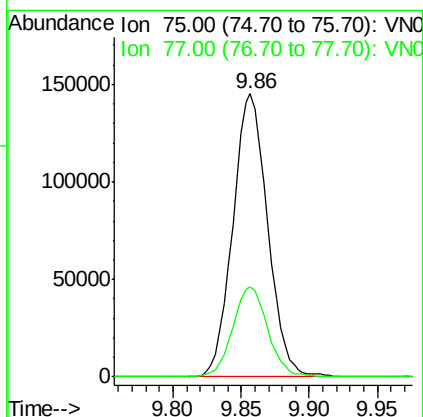
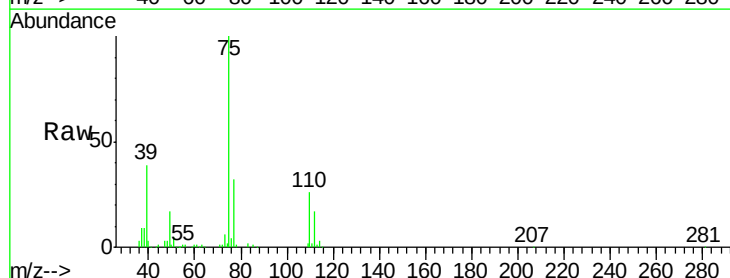
Acq: 12 Aug 2019 12:11

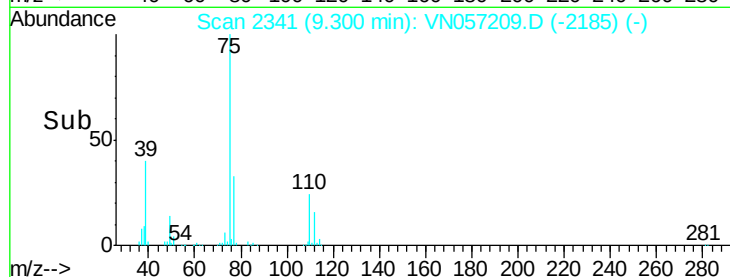
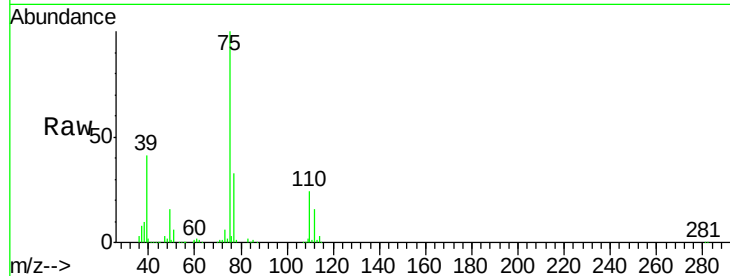
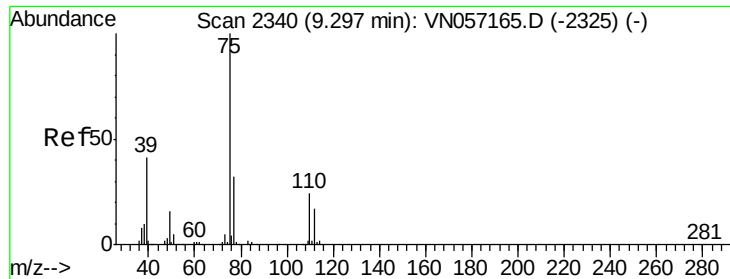
Tgt Ion: 75 Resp: 257027

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3





#49

cis-1,3-Dichloropropene

Concen: 17.946 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.00 min

Lab File: VN057209.D

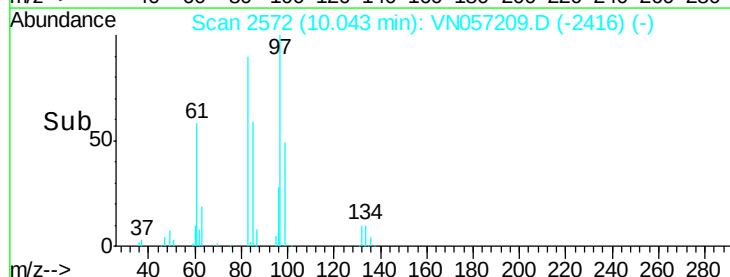
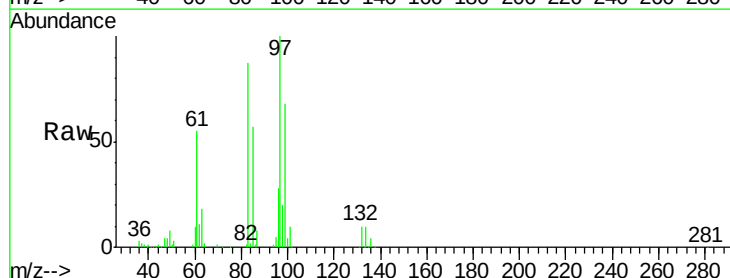
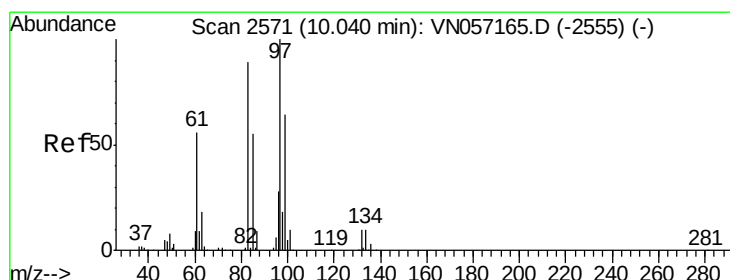
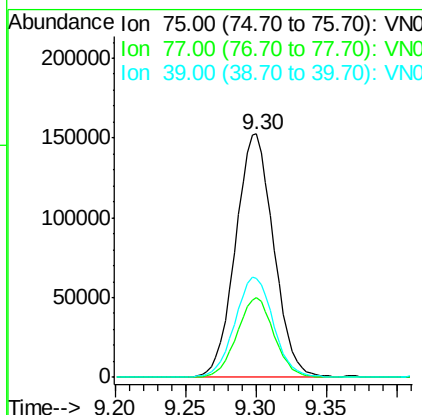
Acq: 12 Aug 2019 12:11

Tot Ion:	75	Resp:	288956
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.8	38.8
39	40.4	33.0	49.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#50

1,1,2-Trichloroethane

Concen: 18.678 ug/l

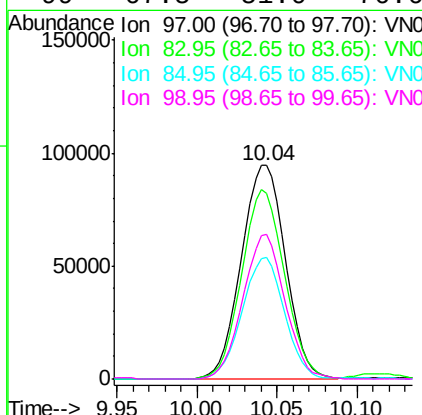
RT: 10.04 min Scan# 2572

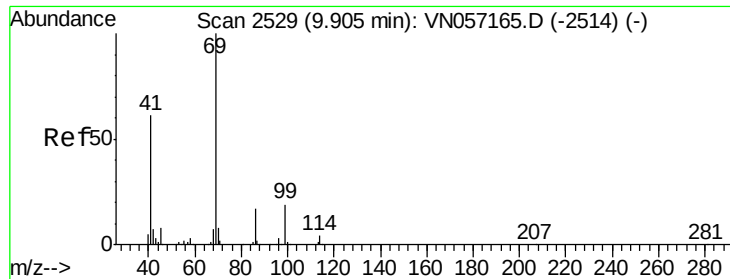
Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	97	Resp:	178836
Ion Ratio	Lower	Upper	
97	100		
83	86.7	71.4	107.0
85	56.9	43.8	65.8
99	67.5	51.0	76.6





#51

Ethyl methacrylate

Concen: 18.152 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

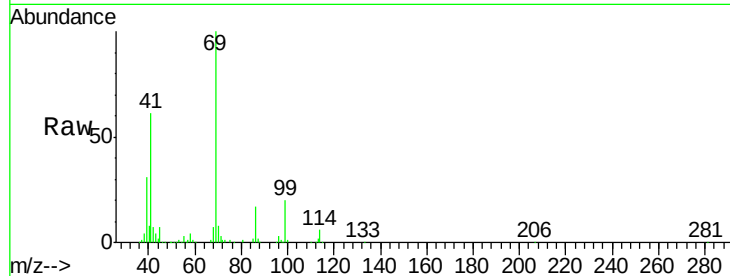
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	245262
Ion Ratio	Lower	Upper	
69	100		
41	60.8	30.4	91.2
39	30.9	14.8	44.4

Manual Integrations
APPROVED

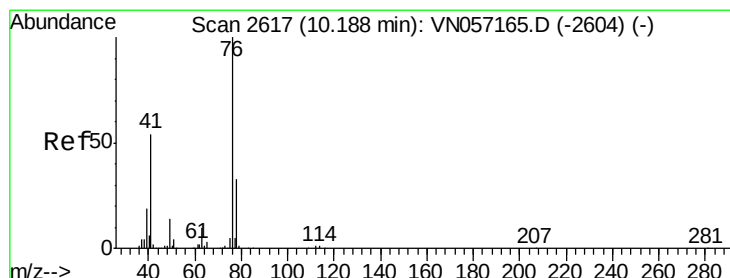
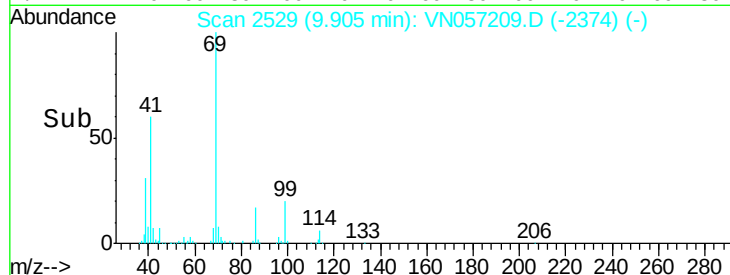
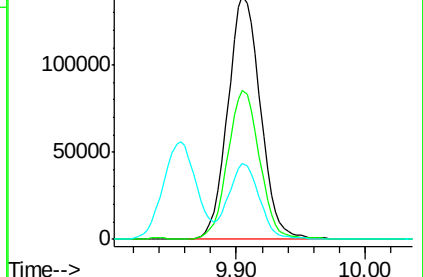
MMDadoda
8/14/2019 9:23:43 AM



Abundance Ion 69.00 (68.70 to 69.70): VN057165.D (-2514) (-)

Ion 41.00 (40.70 to 41.70): VN057165.D (-2514) (-)

Ion 39.00 (38.70 to 39.70): VN057165.D (-2514) (-)



#52

1,3-Dichloropropane

Concen: 18.692 ug/l

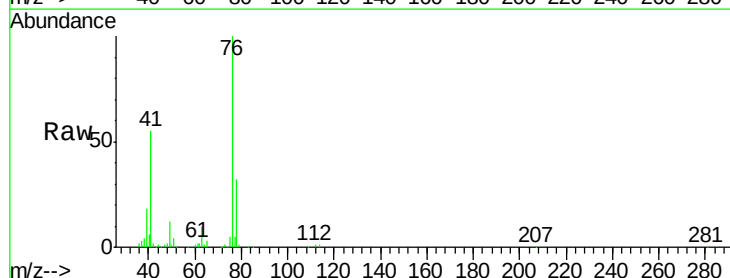
RT: 10.19 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VN057209.D

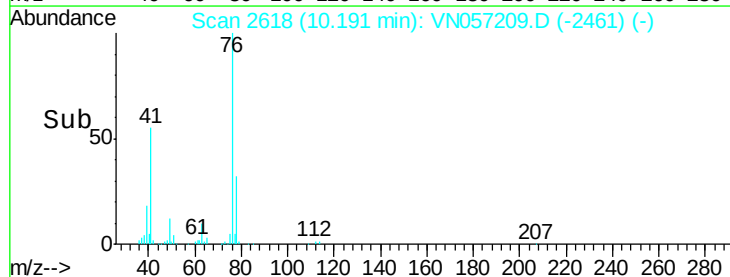
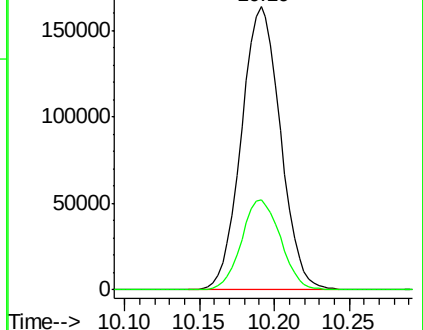
Acq: 12 Aug 2019 12:11

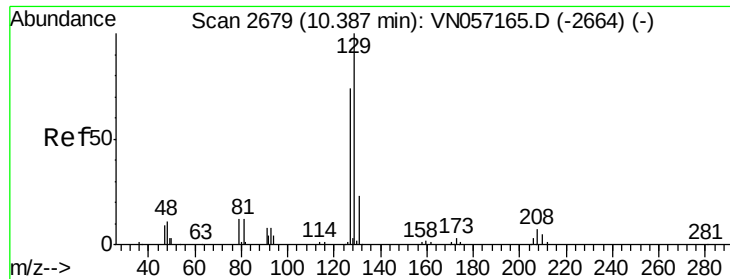
Tgt Ion:	76	Resp:	298302
Ion Ratio	Lower	Upper	
76	100		
78	31.8	0.0	65.0



Abundance Ion 76.00 (75.70 to 76.70): VN057165.D (-2604) (-)

Ion 78.00 (77.70 to 78.70): VN057165.D (-2604) (-)





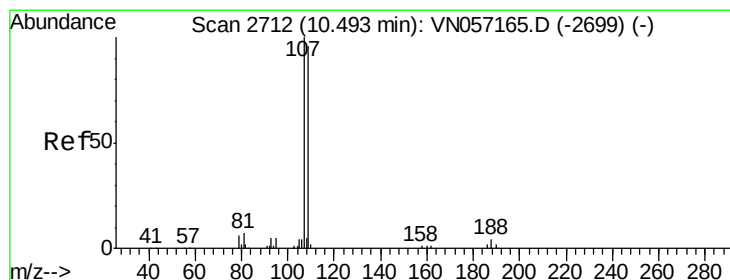
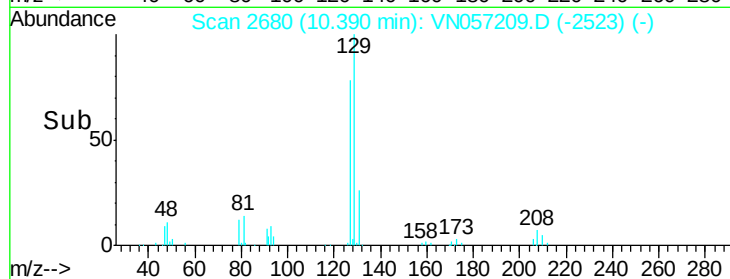
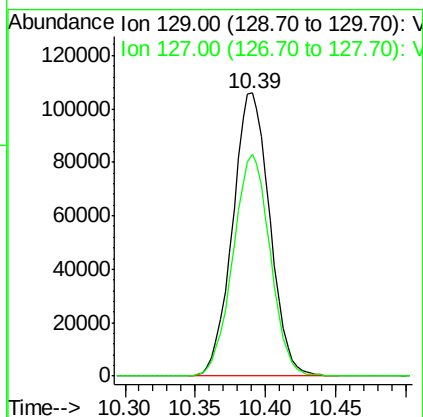
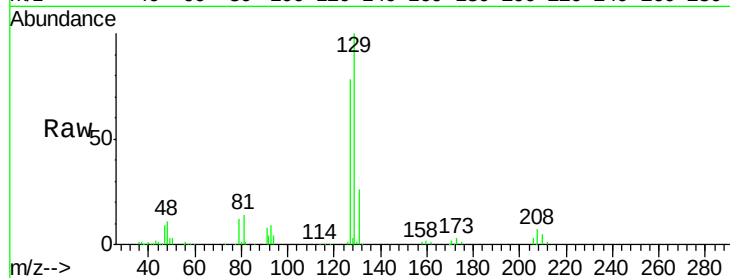
#53
Dibromochloromethane
Concen: 18.127 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.2	114.6

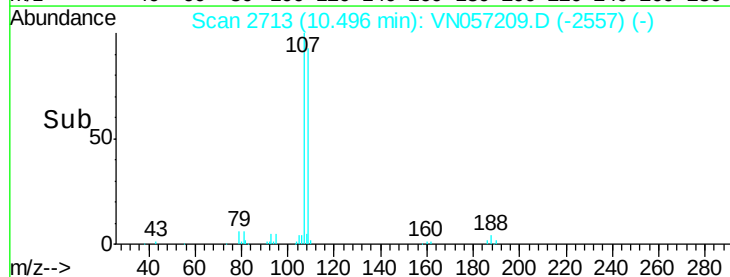
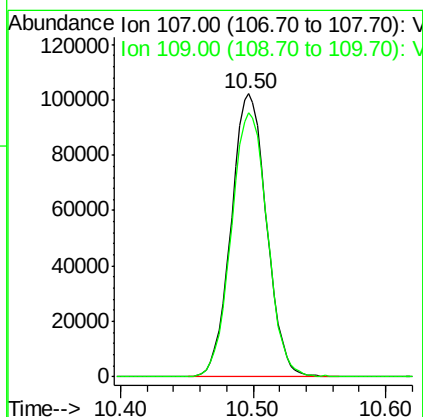
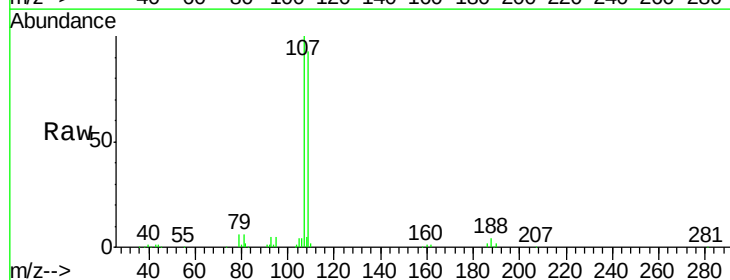
Manual Integrations
APPROVED

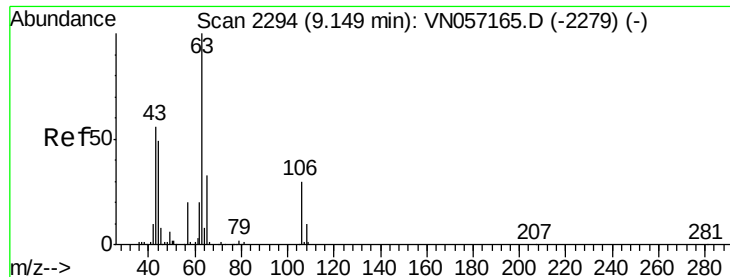
MMDadoda
8/14/2019 9:23:43 AM



#54
1,2-Dibromoethane
Concen: 18.873 ug/l
RT: 10.50 min Scan# 2713
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.8	115.2





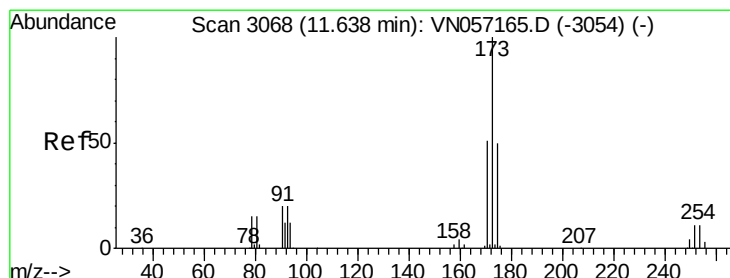
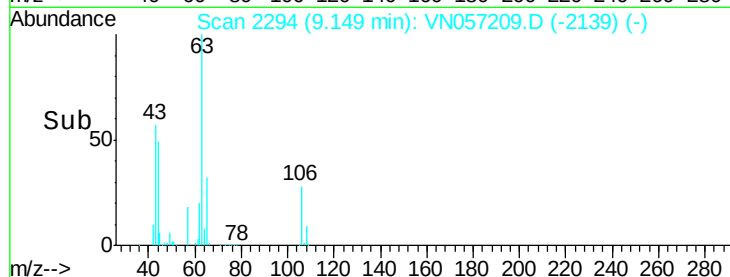
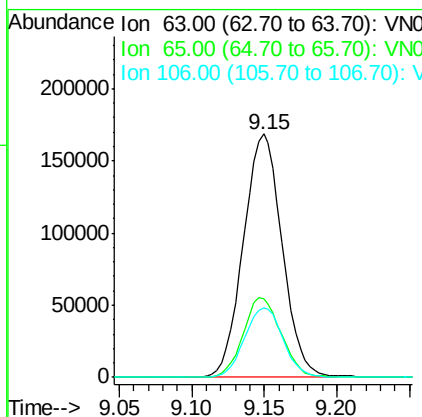
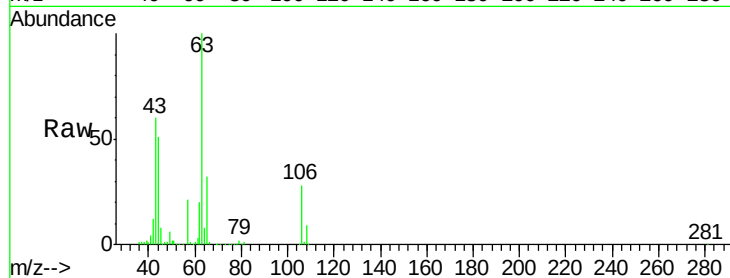
#55
2-Chloroethyl vinyl ether
Concen: 82.358 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	63	Resp:	314202
Ion	Ratio	Lower	Upper
63	100		
65	32.2	26.0	39.0
106	28.6	23.3	34.9

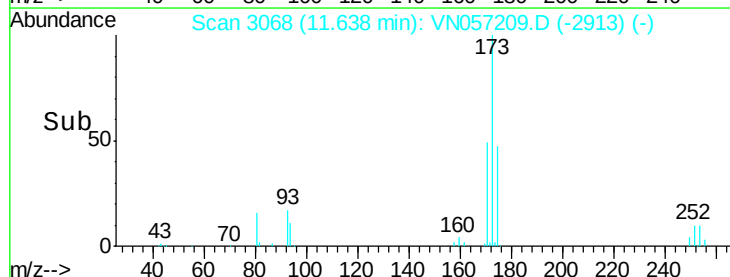
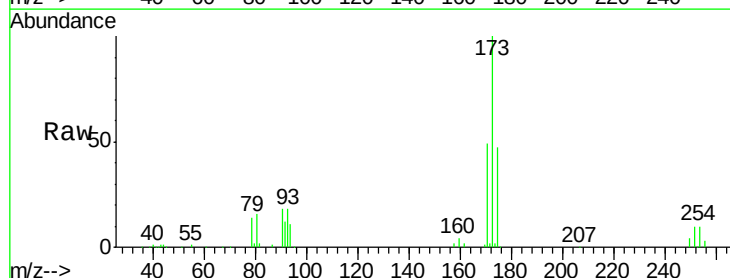
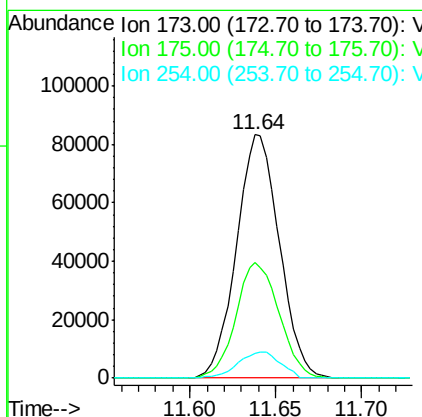
Manual Integrations
APPROVED

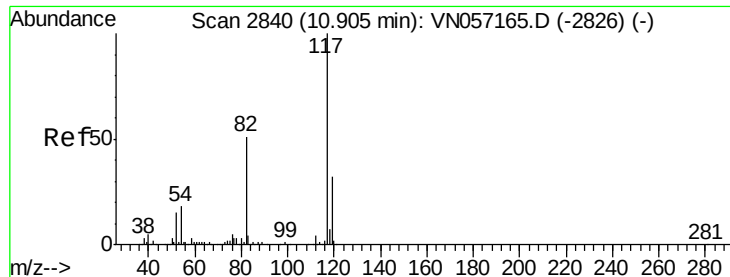
MMDadoda
8/14/2019 9:23:43 AM



#56
Bromoform
Concen: 18.117 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion:	173	Resp:	144435
Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.0	58.4
254	10.6	8.6	13.0





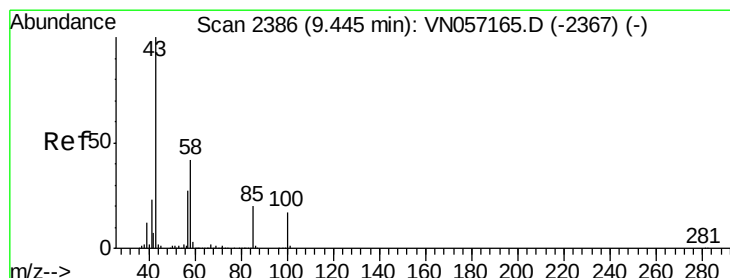
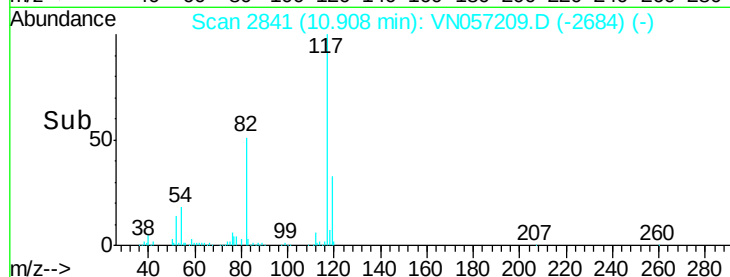
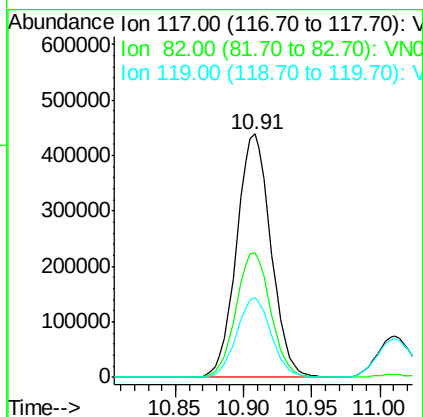
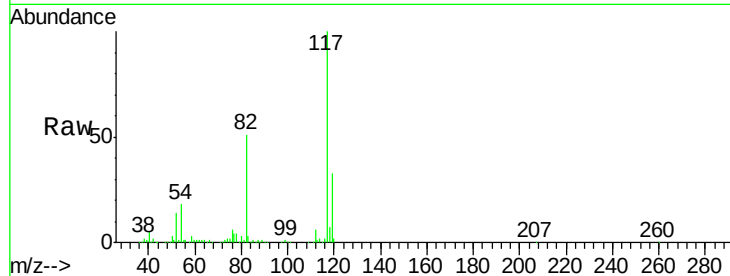
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.5	62.3
119	32.8	26.1	39.1

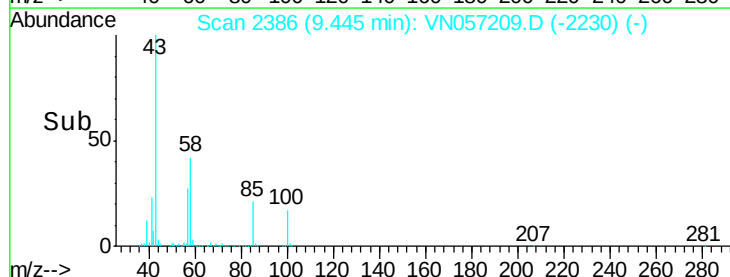
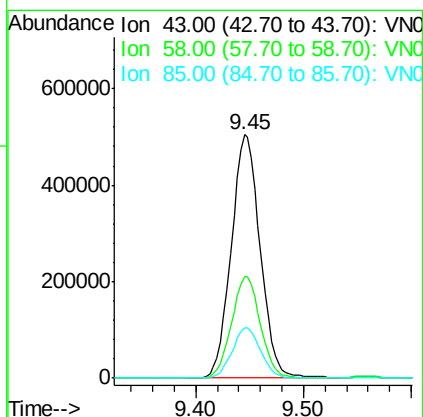
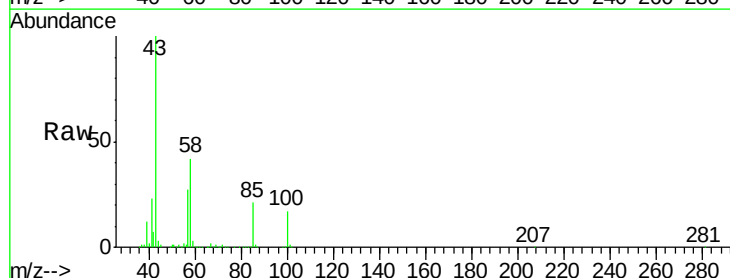
Manual Integrations
APPROVED

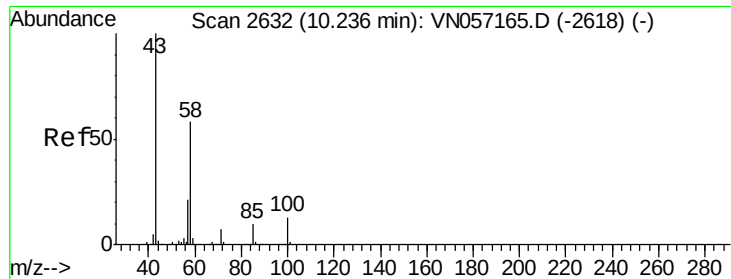
MMDadoda
8/14/2019 9:23:43 AM



#58
4-Methyl-2-Pentanone
Concen: 95.771 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.5	32.8	49.2
85	20.3	16.4	24.6





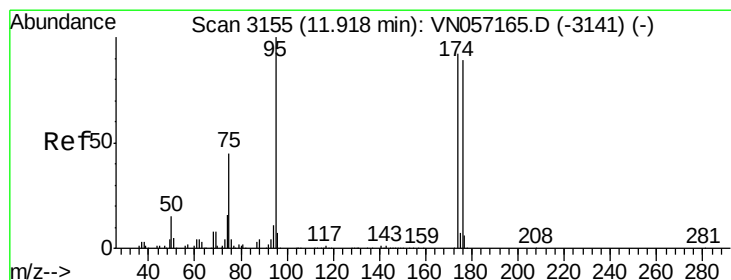
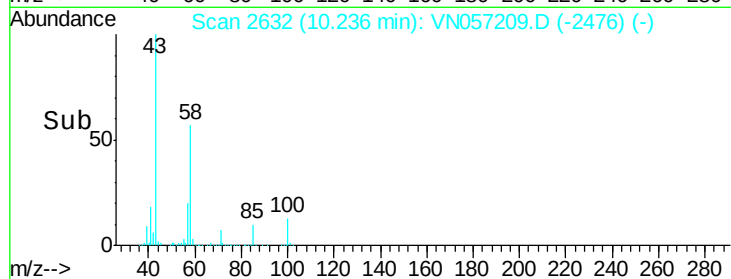
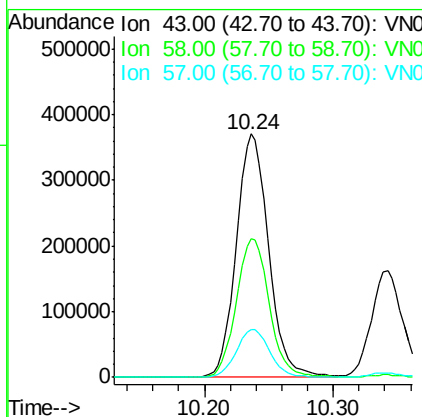
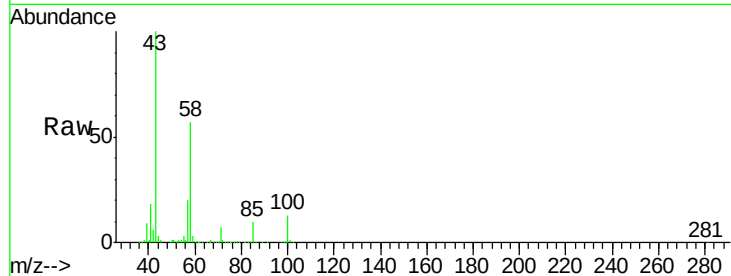
#59
2-Hexanone
Concen: 91.180 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.4	68.2
57	20.4	16.1	24.1

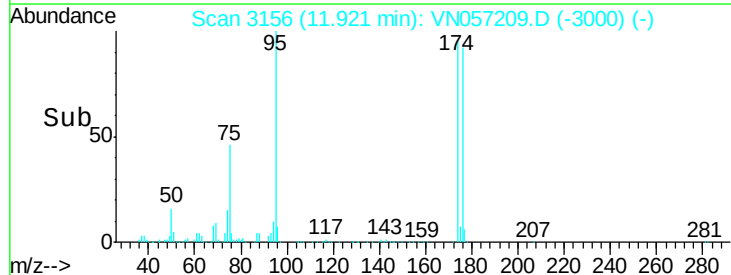
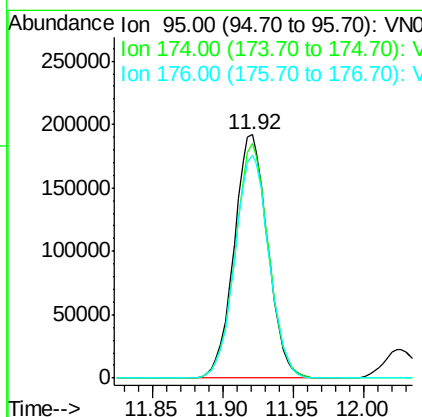
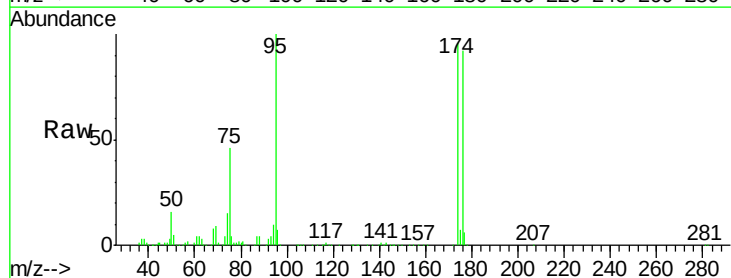
Manual Integrations
APPROVED

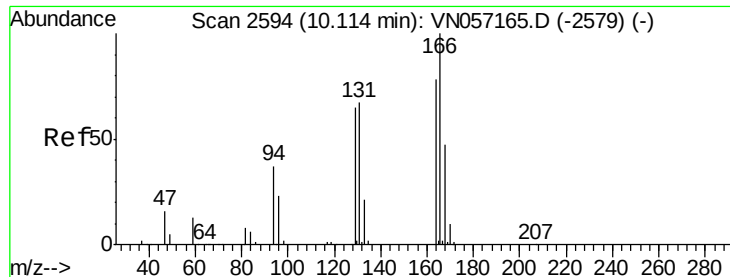
MMDadoda
8/14/2019 9:23:43 AM



#60
4-Bromofluorobenzene
Concen: 28.138 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	74.9	112.3
176	92.9	72.1	108.1





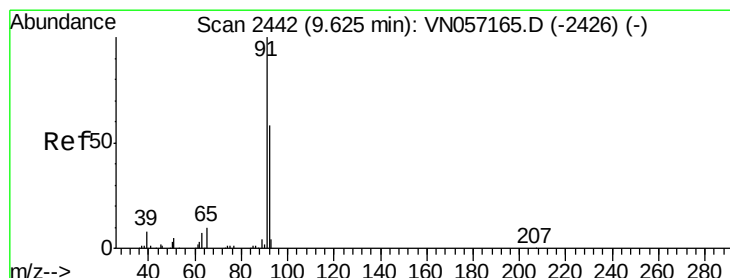
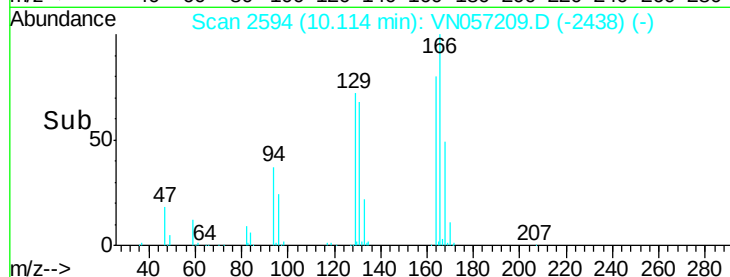
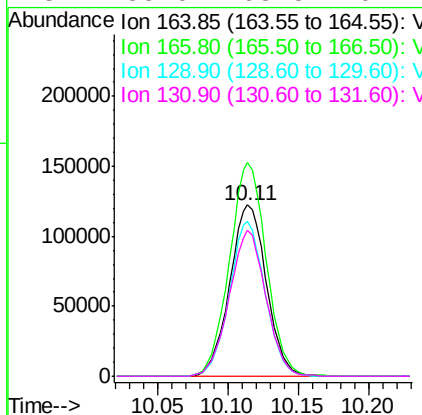
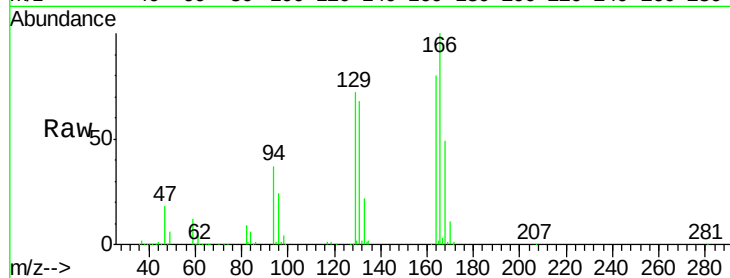
#61
Tetrachloroethene
Concen: 18.871 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.0	154.6
129	90.1	67.3	100.9
131	85.0	68.5	102.7

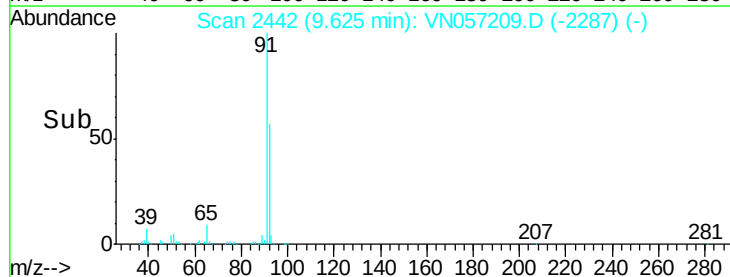
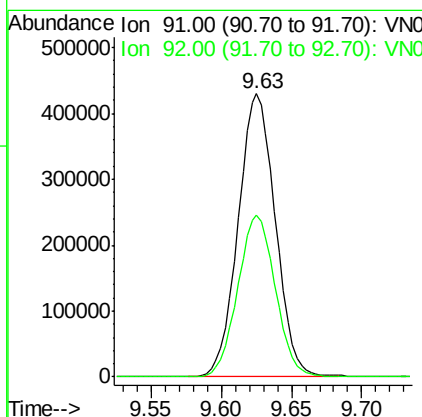
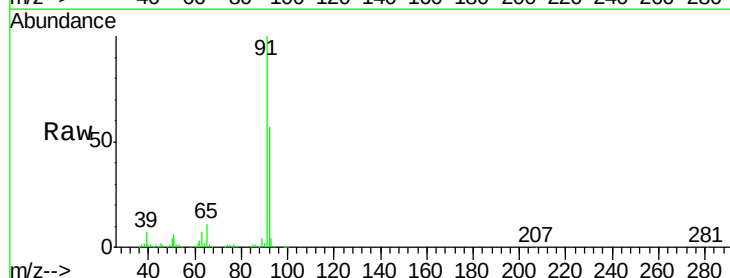
Manual Integrations
APPROVED

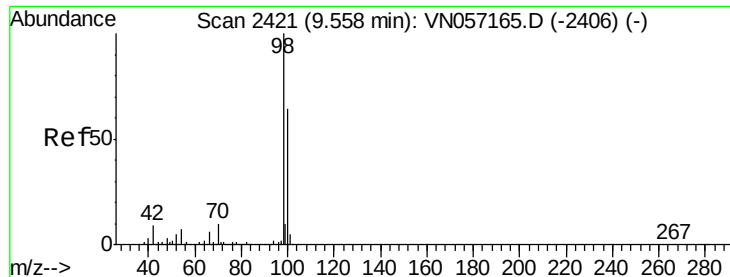
MMDadoda
8/14/2019 9:23:43 AM



#62
Toluene
Concen: 18.225 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	46.1	69.1





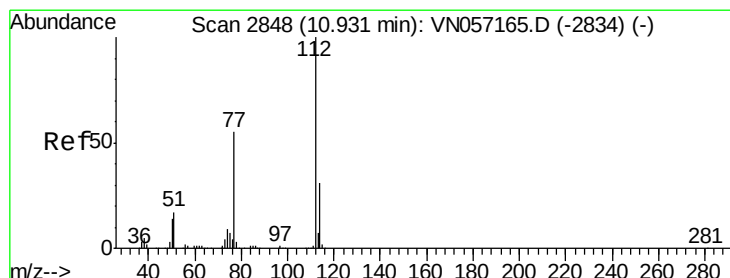
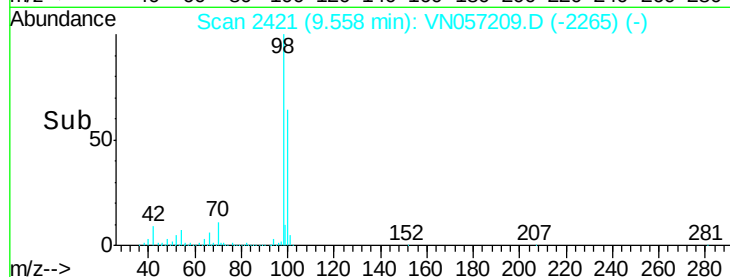
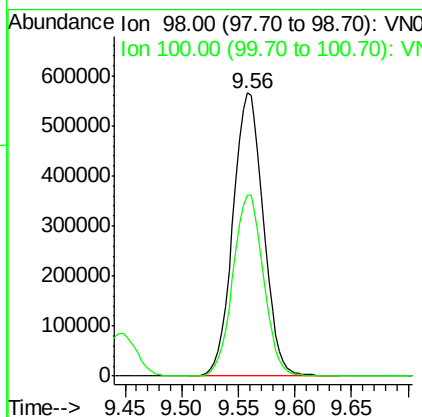
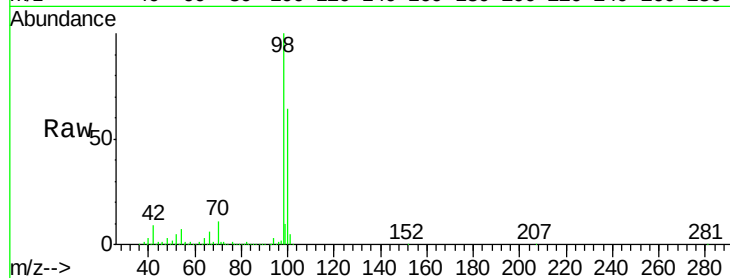
#63
Toluene-d8
Concen: 30.019 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 1060644
Ion Ratio Lower Upper
98 100
100 64.4 52.4 78.6

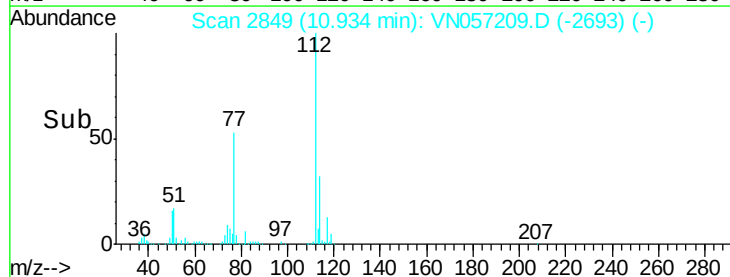
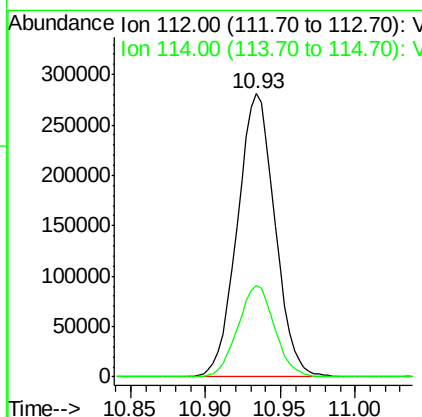
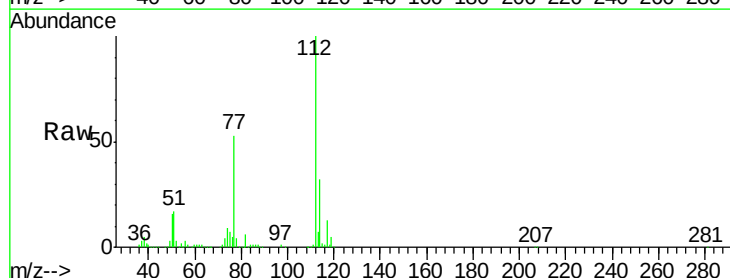
Manual Integrations
APPROVED

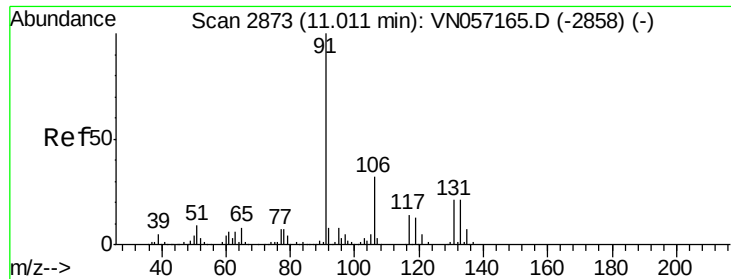
MMDadoda
8/14/2019 9:23:43 AM



#64
Chlorobenzene
Concen: 18.327 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion: 112 Resp: 491085
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 18.508 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

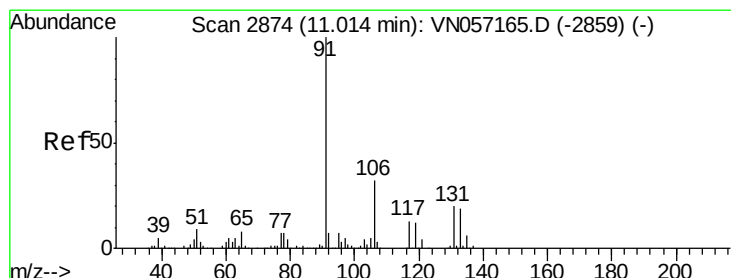
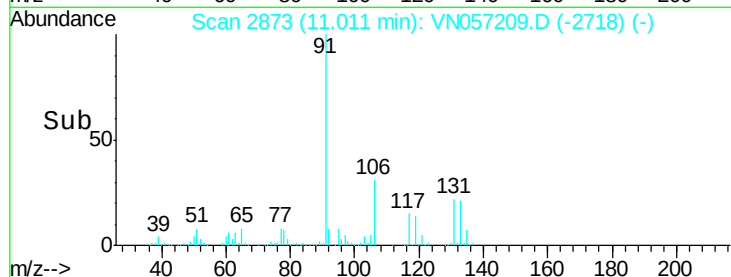
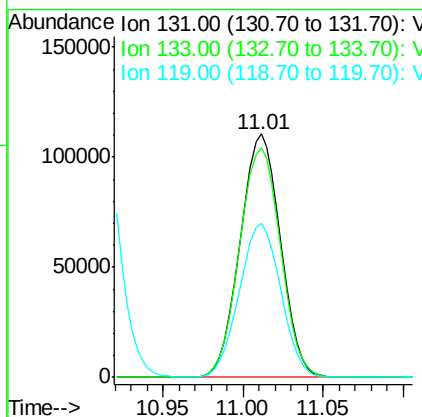
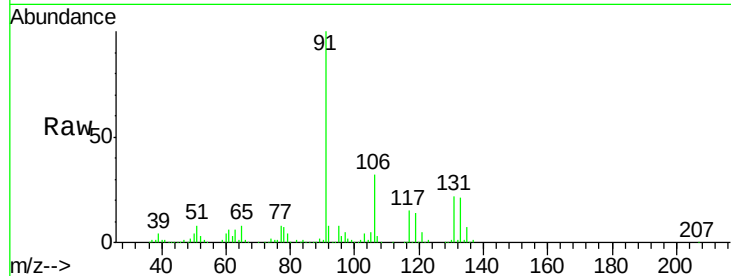
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	190185		
133	96.1	0.0	196.0	
119	64.9	0.0	132.6	

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#66

Ethyl Benzene

Concen: 18.102 ug/l

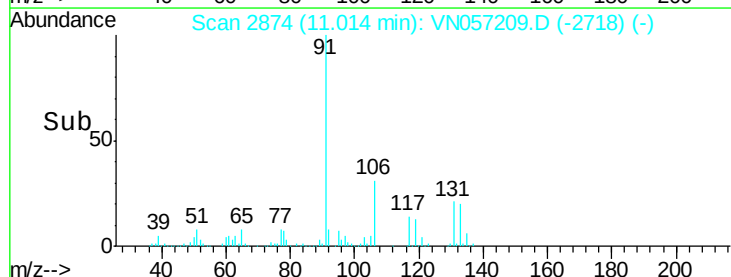
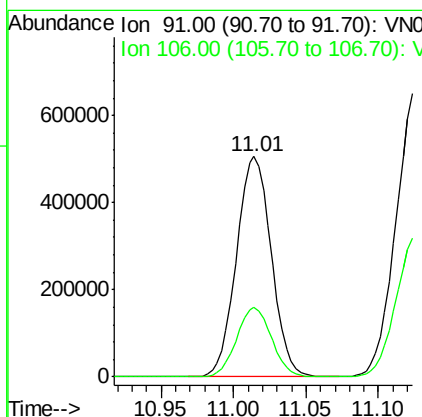
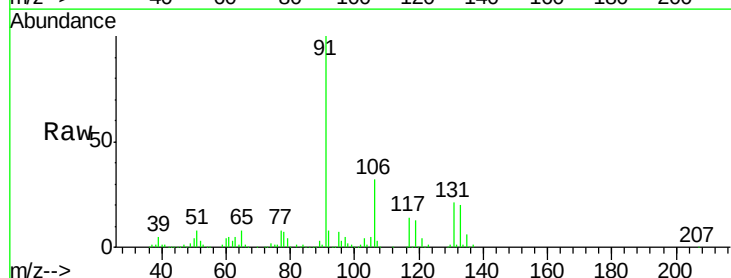
RT: 11.01 min Scan# 2874

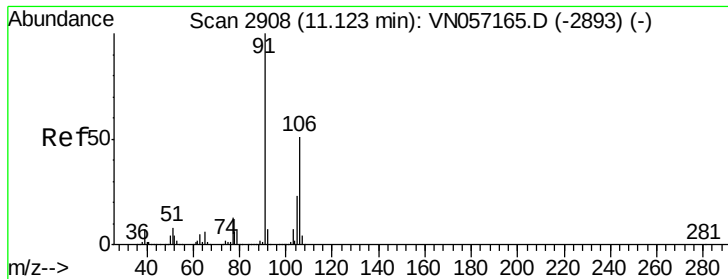
Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	845349		
106	31.7	25.3	37.9	





#67

m/p-Xylenes

Concen: 36.070 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 635235

Ion Ratio Lower Upper

106 100

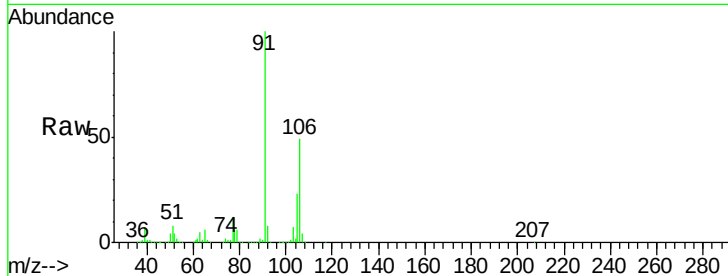
91 200.7 160.5 240.7

Manual Integrations

APPROVED

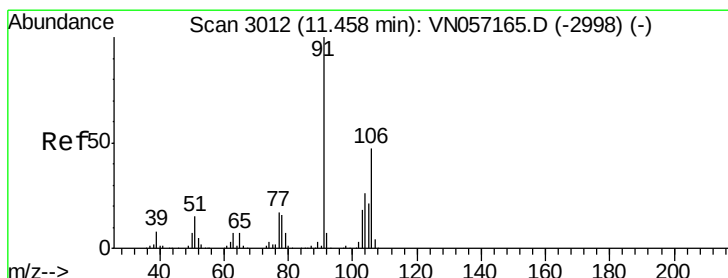
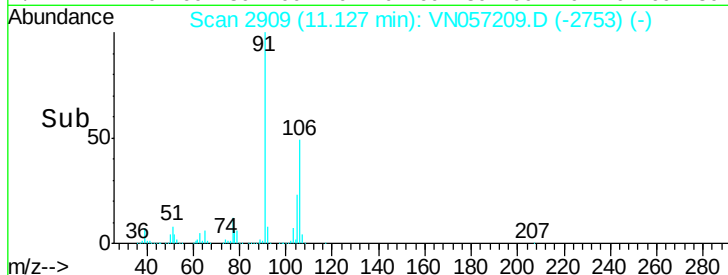
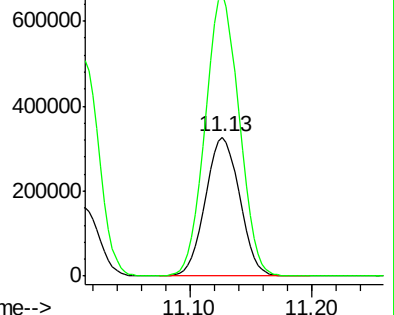
MMDadoda

8/14/2019 9:23:43 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.035 ug/l

RT: 11.46 min Scan# 3013

Delta R.T. 0.00 min

Lab File: VN057209.D

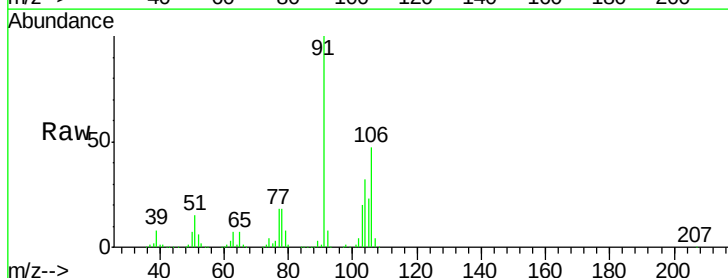
Acq: 12 Aug 2019 12:11

Tgt Ion:106 Resp: 308365

Ion Ratio Lower Upper

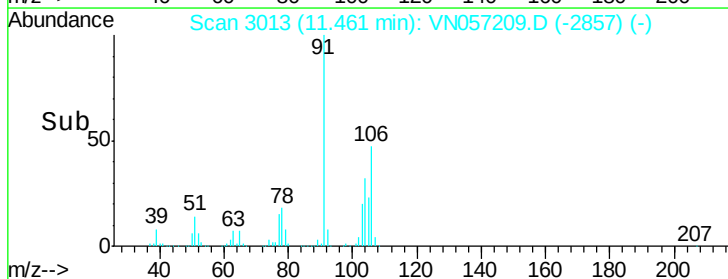
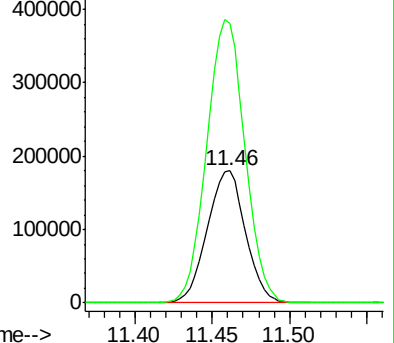
106 100

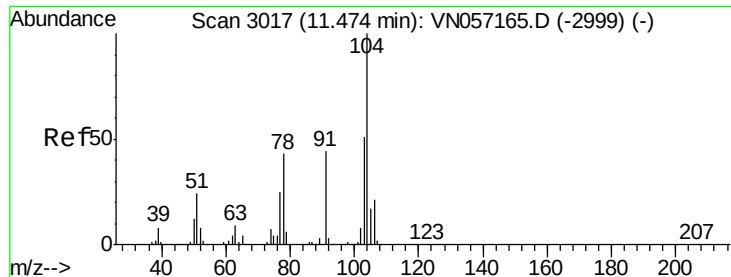
91 214.1 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





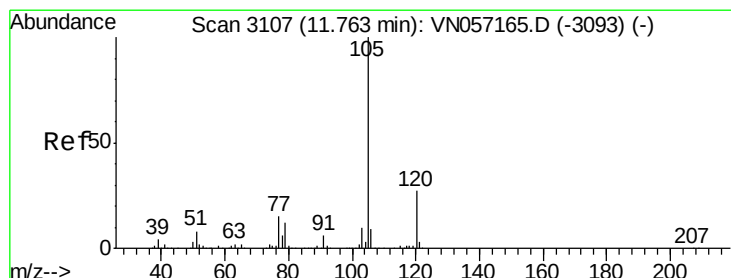
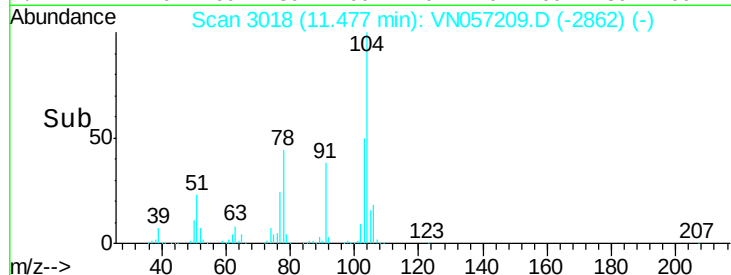
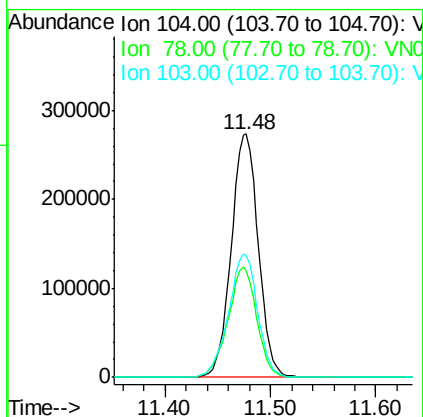
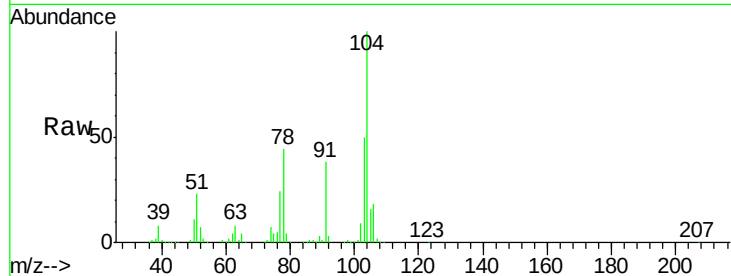
#69
Stvrene
Concen: 17.701 ug/l
RT: 11.48 min Scan# 3018
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	485304		
78	47.8		38.7	58.1
103	54.5		44.3	66.5

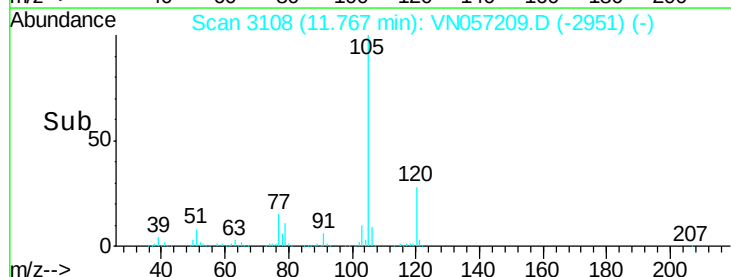
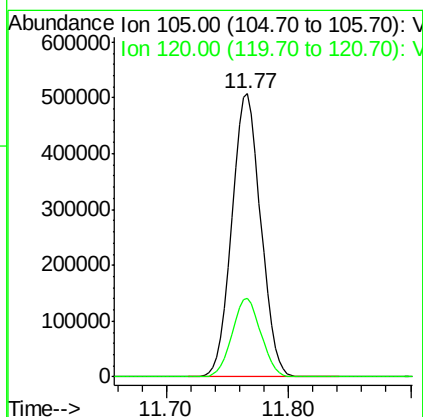
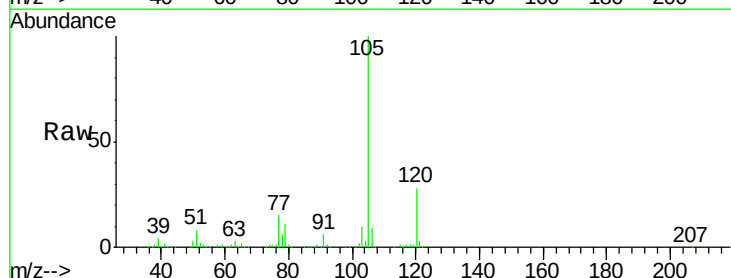
Manual Integrations
APPROVED

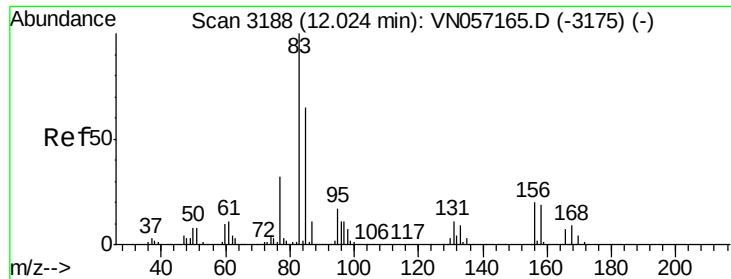
MMDadoda
8/14/2019 9:23:43 AM



#70
Isopropylbenzene
Concen: 18.154 ug/l
RT: 11.77 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	835669		
120	27.7		19.1	35.5





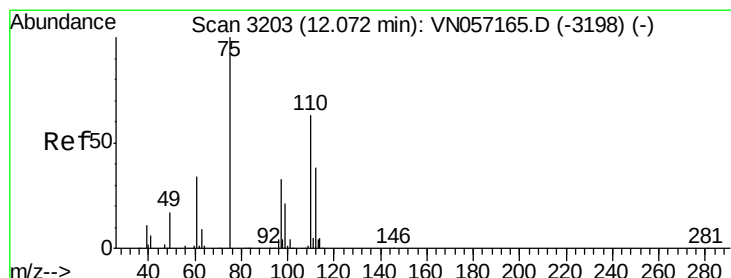
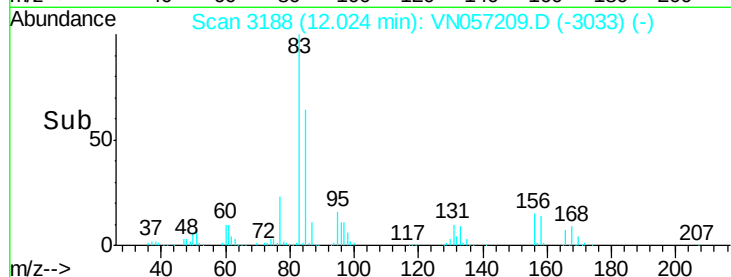
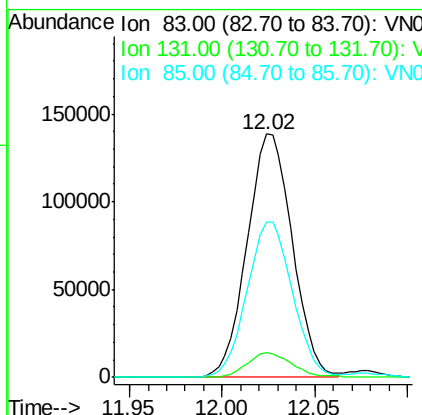
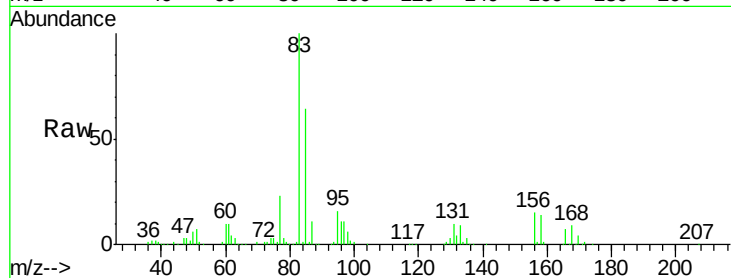
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.614 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. -0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	234683
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.5	16.5
85	64.0	32.6	98.0

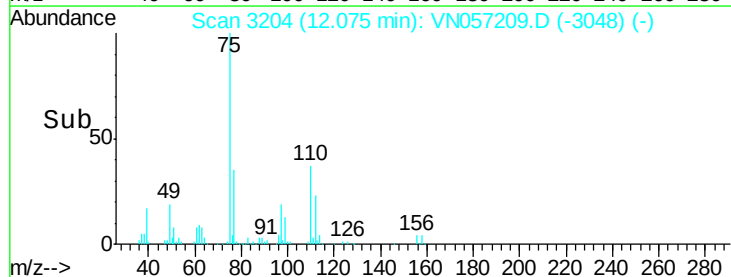
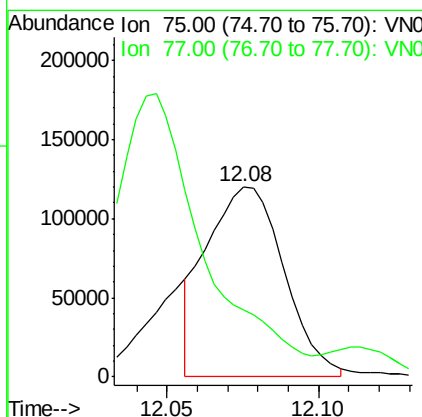
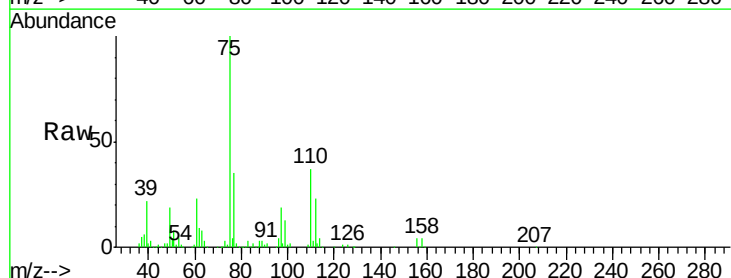
Manual Integrations
 APPROVED

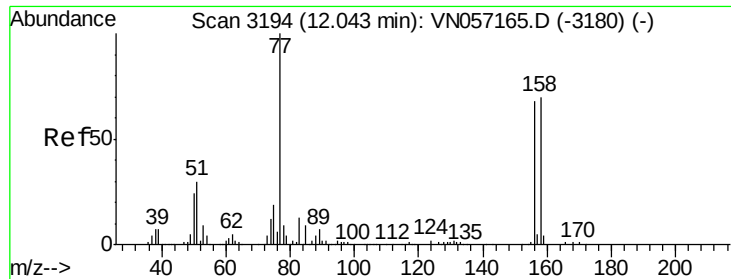
MMDadoda
 8/14/2019 9:23:43 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.326 ug/l m
 RT: 12.08 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Tgt Ion	75	Resp	213250
Ion Ratio	100	Lower	Upper
75	100		
77	174.9	0.0	379.4





#73

Bromobenzene

Concen: 17.767 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

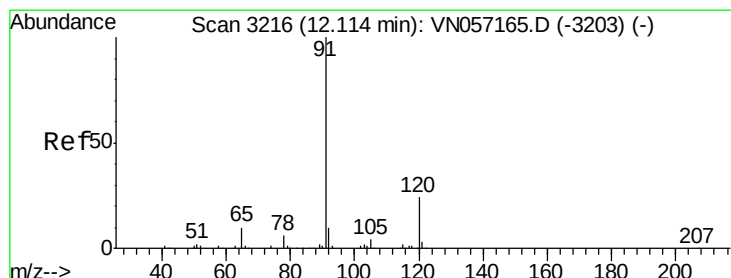
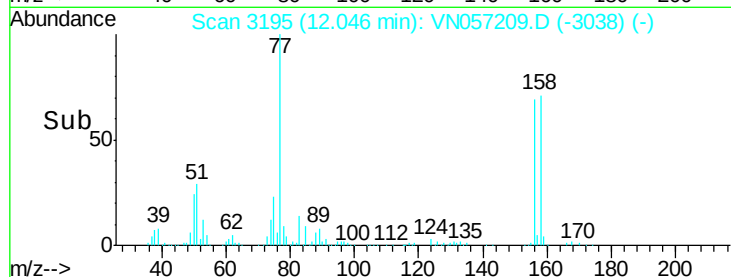
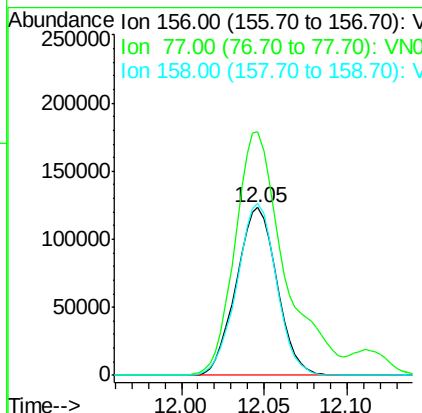
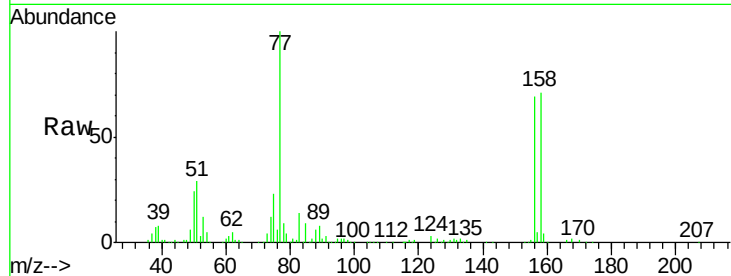
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	212083
Ion Ratio	Lower	Upper	
156	100		
77	175.8	0.0	361.6
158	98.7	0.0	200.6

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#74

n-propylbenzene

Concen: 17.195 ug/l

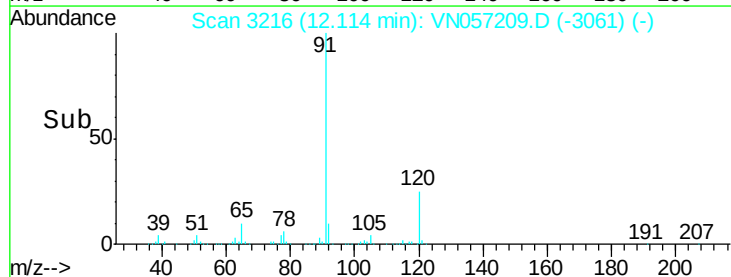
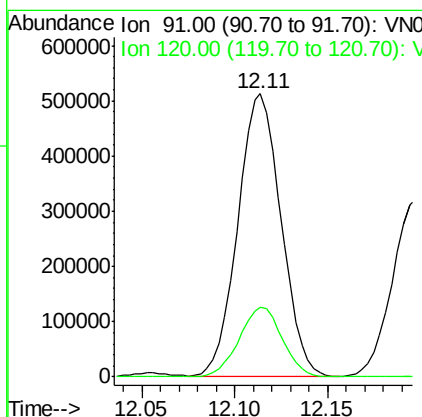
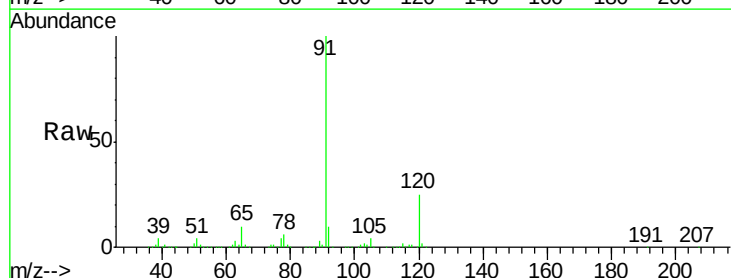
RT: 12.11 min Scan# 3216

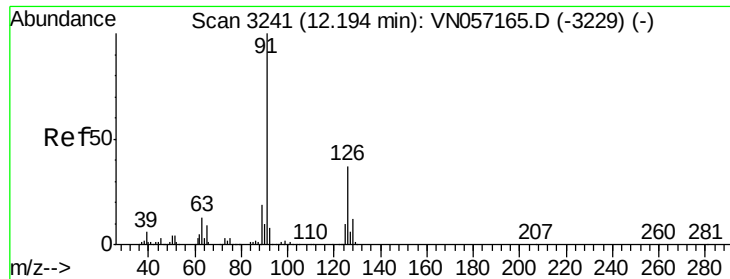
Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	91	Resp:	830974
Ion Ratio	Lower	Upper	
91	100		
120	24.5	0.0	48.2





#75

2-Chlorotoluene

Concen: 17.872 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 534201

Ion Ratio Lower Upper

91 100

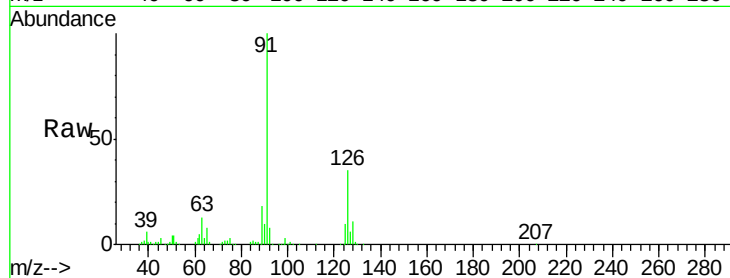
126 35.4 0.0 73.4

Manual Integrations

APPROVED

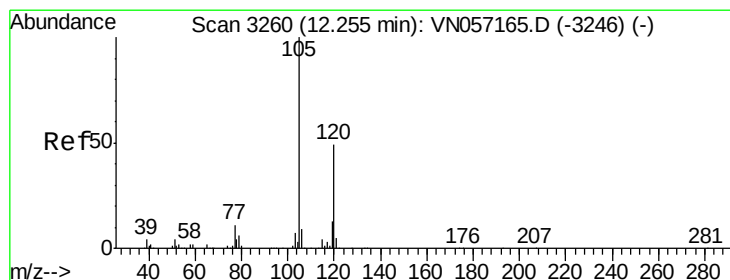
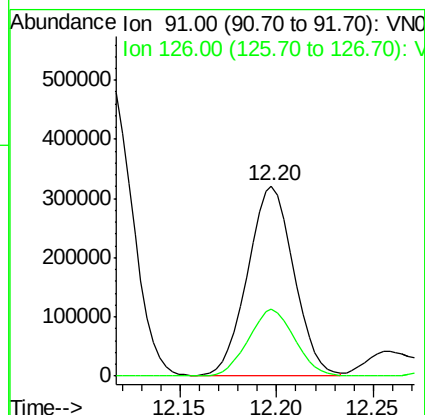
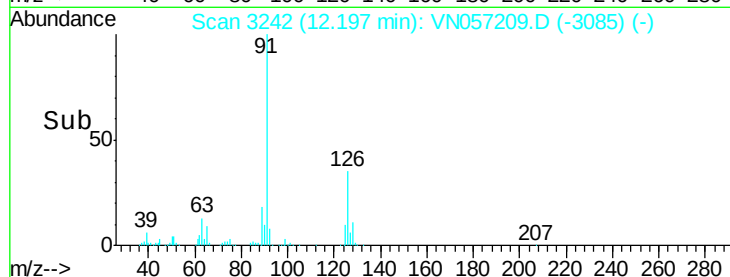
MMDadoda

8/14/2019 9:23:43 AM



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

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



#76

1,3,5-Trimethylbenzene

Concen: 17.955 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057209.D

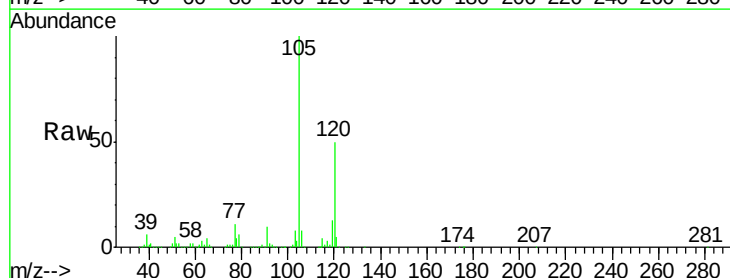
Acq: 12 Aug 2019 12:11

Tgt Ion: 105 Resp: 695948

Ion Ratio Lower Upper

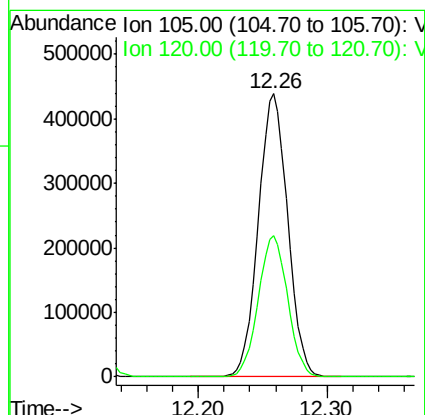
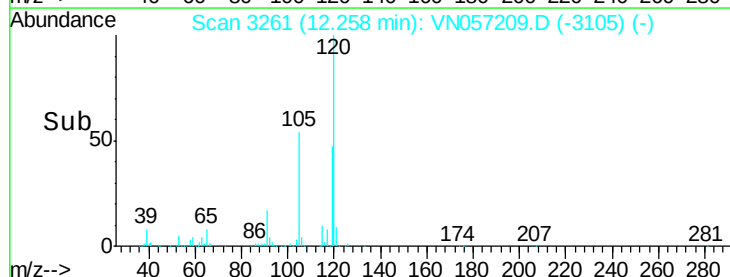
105 100

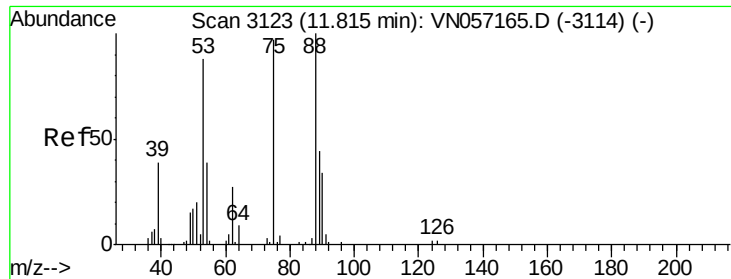
120 49.9 0.0 83.6



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

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





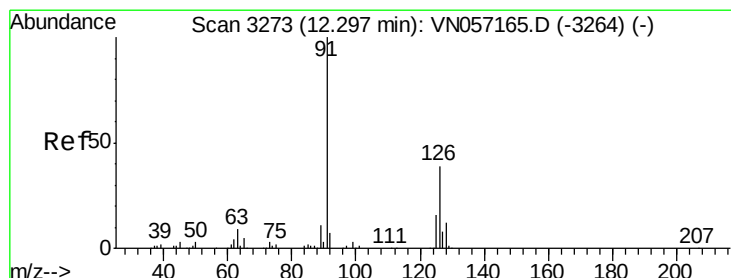
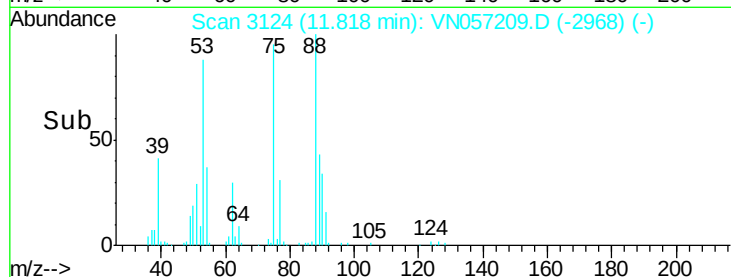
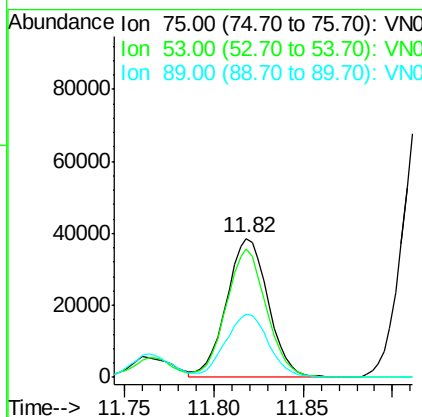
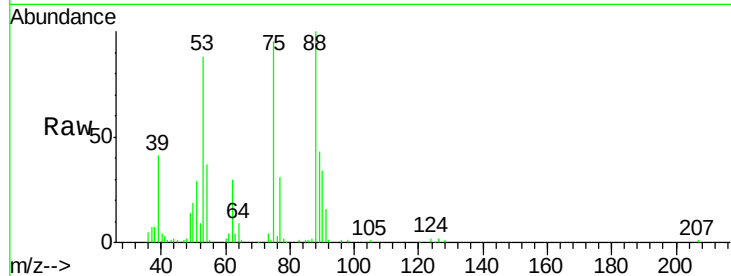
#77
t-1,4-Dichloro-2-butene
Concen: 16.960 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	45.4	136.2
89	45.3	23.5	70.6

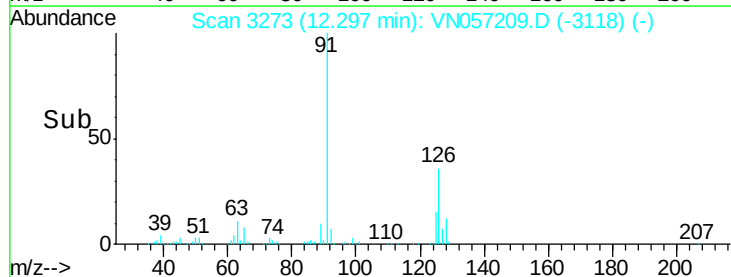
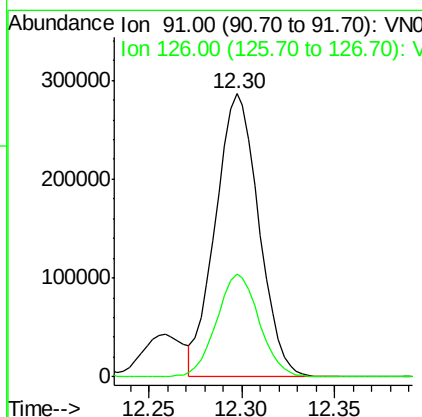
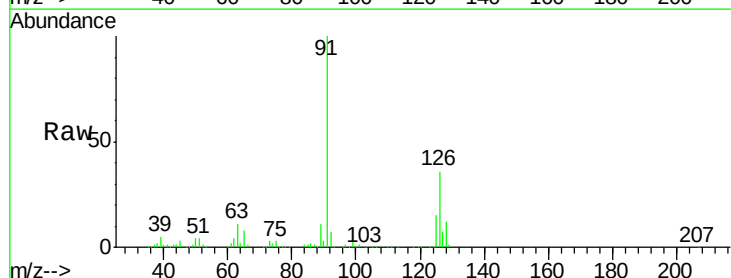
Manual Integrations
APPROVED

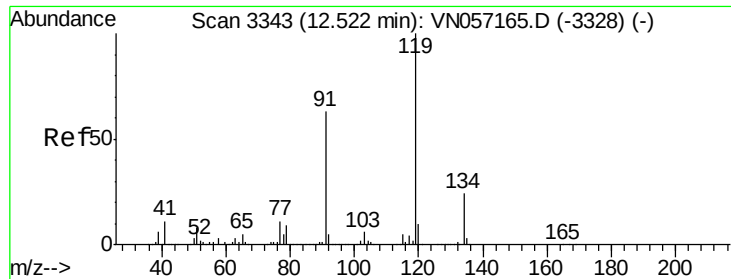
MMDadoda
8/14/2019 9:23:43 AM



#78
4-Chlorotoluene
Concen: 16.654 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	0.0	70.2





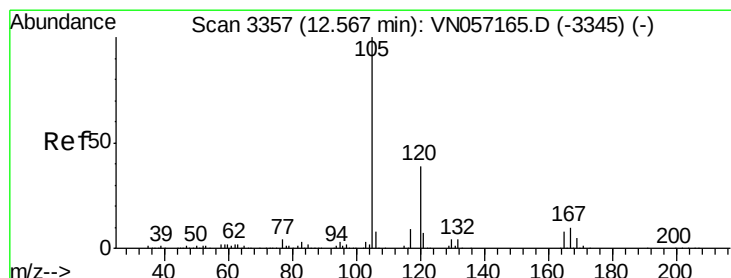
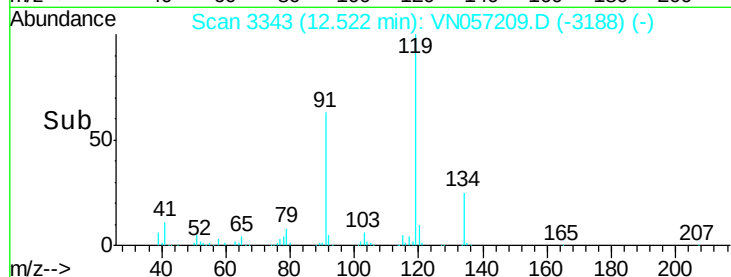
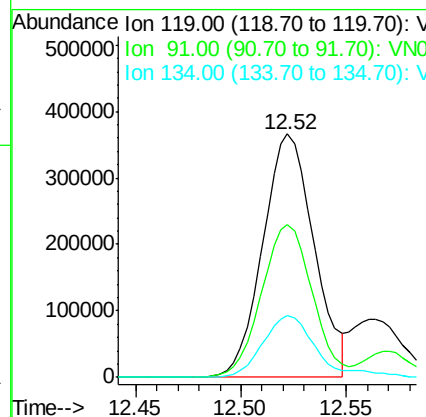
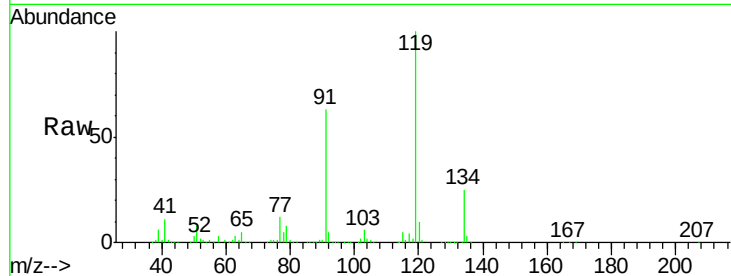
#79
tert-butylbenzene
Concen: 18.136 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	619568		
91	62.1	0.0	123.8	
134	24.6	0.0	48.6	

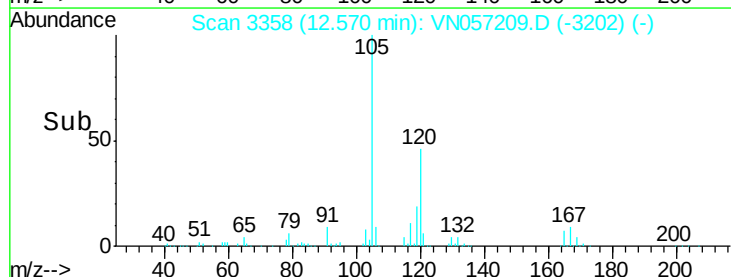
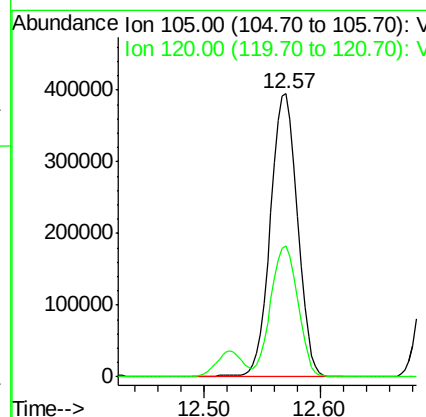
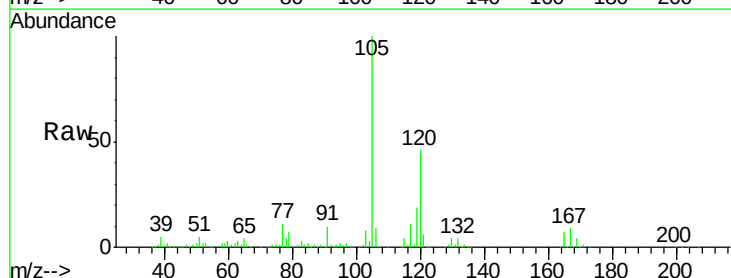
Manual Integrations
APPROVED

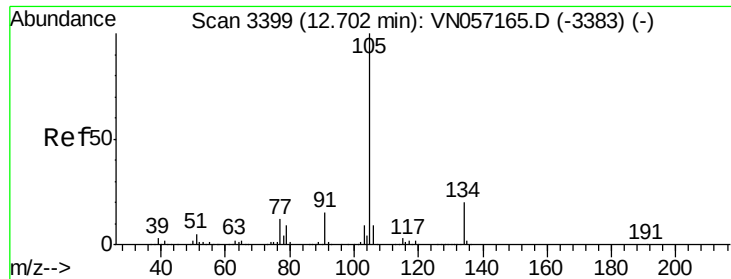
MMDadoda
8/14/2019 9:23:43 AM



#80
1,2,4-Trimethylbenzene
Concen: 17.570 ug/l
RT: 12.57 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	642224		
120	46.3	0.0	91.2	





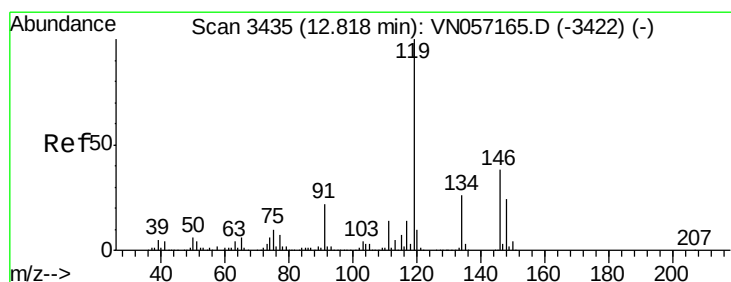
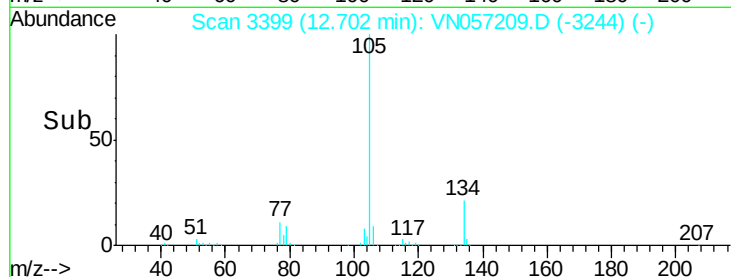
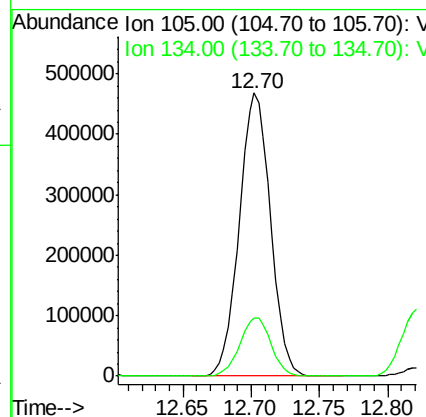
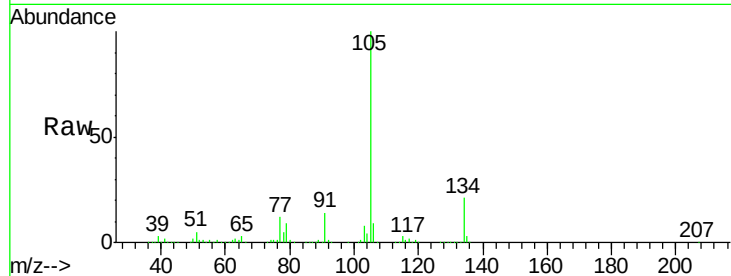
#81
 sec-Butylbenzene
 Concen: 17.214 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	0.0	40.6

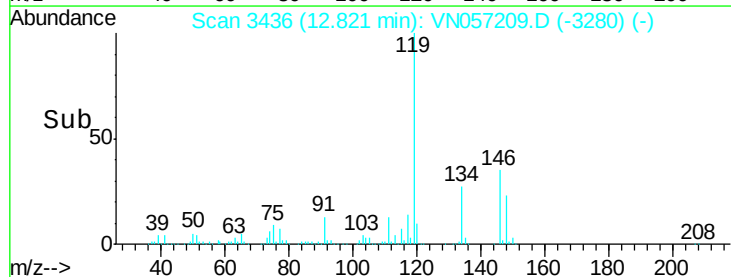
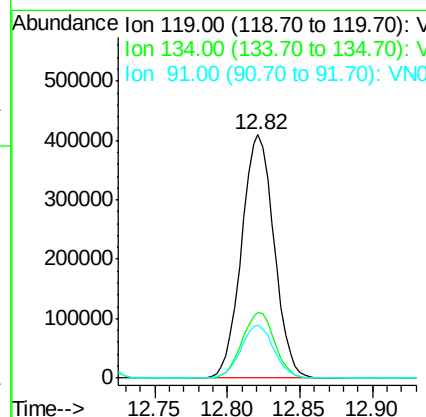
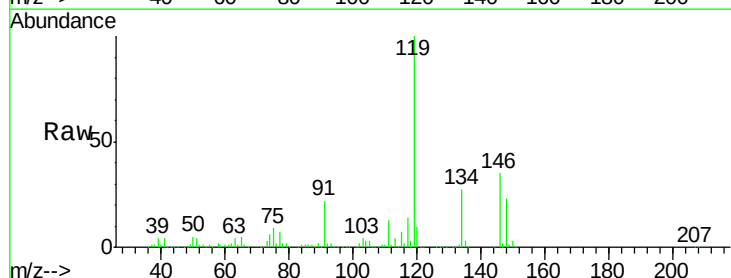
Manual Integrations
 APPROVED

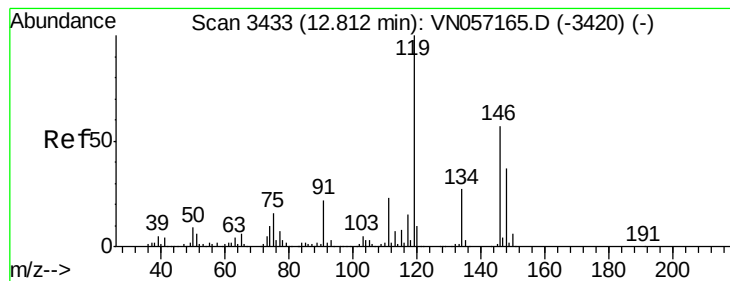
MMDadoda
 8/14/2019 9:23:43 AM



#82
 p-Isopropyltoluene
 Concen: 16.629 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	54.2
91	22.1	0.0	44.4





#83

1,3-Dichlorobenzene

Concen: 16.172 ug/l

RT: 12.81 min Scan# 3434

Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

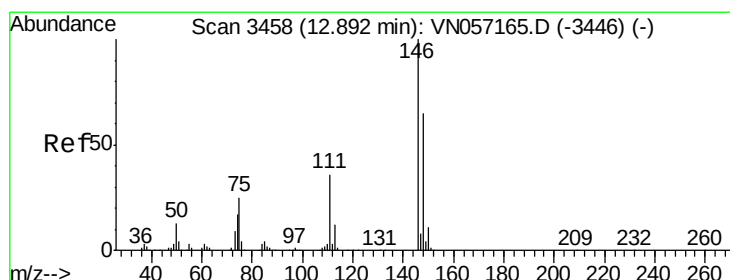
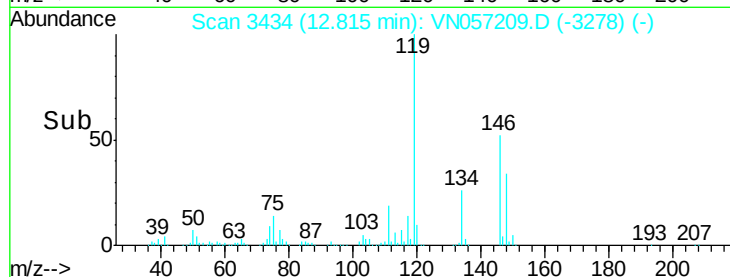
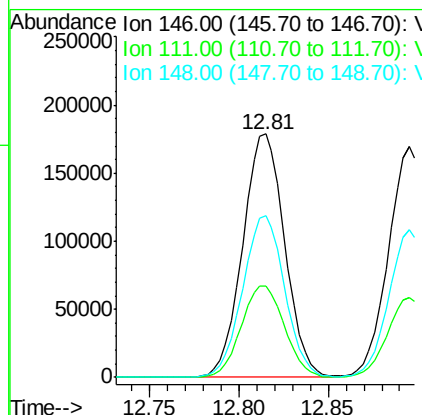
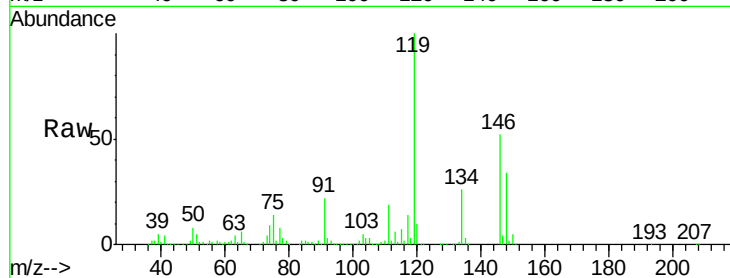
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	293934
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.1
148	66.1	32.6	97.8

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#84

1,4-Dichlorobenzene

Concen: 16.069 ug/l

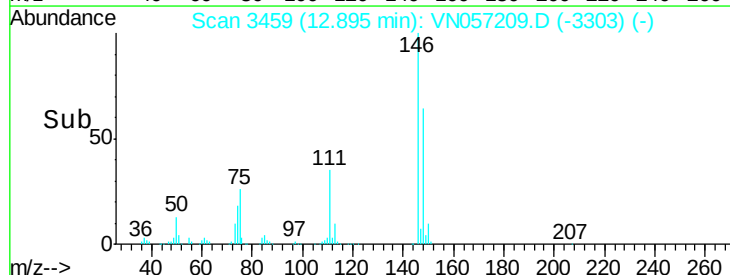
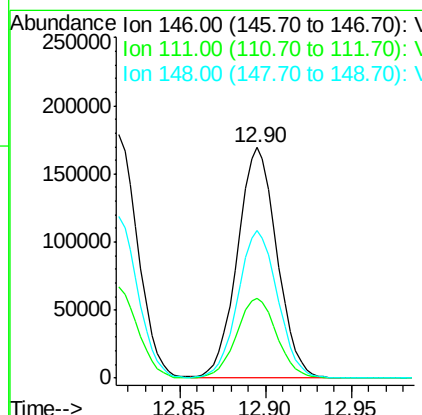
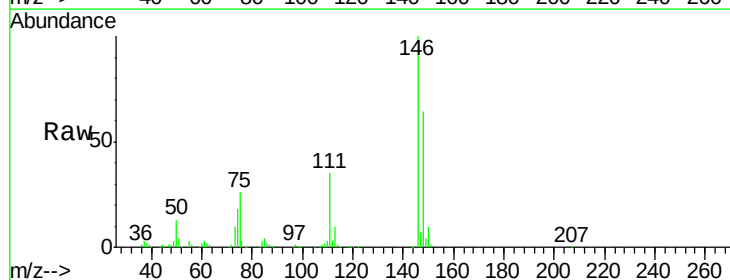
RT: 12.90 min Scan# 3459

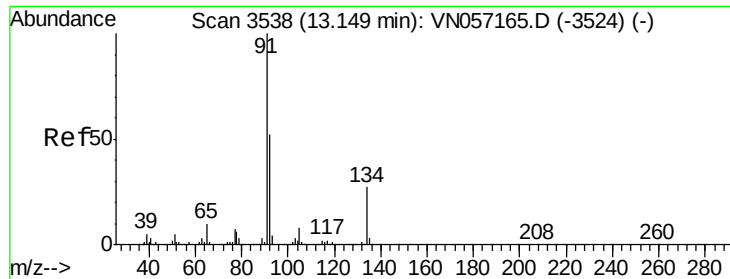
Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	146	Resp:	271675
Ion Ratio	Lower	Upper	
146	100		
111	35.3	18.0	54.0
148	64.4	32.3	96.9





#85

n-Butylbenzene

Concen: 16.087 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

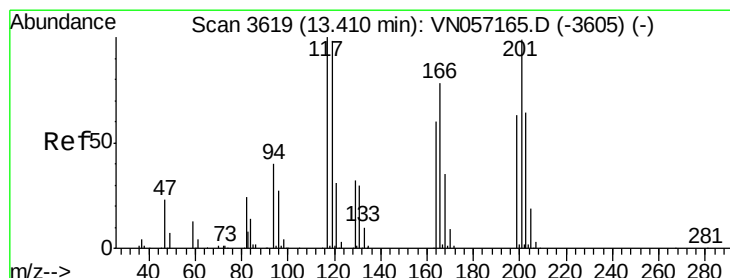
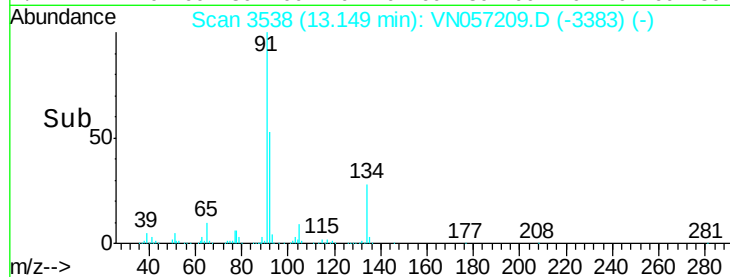
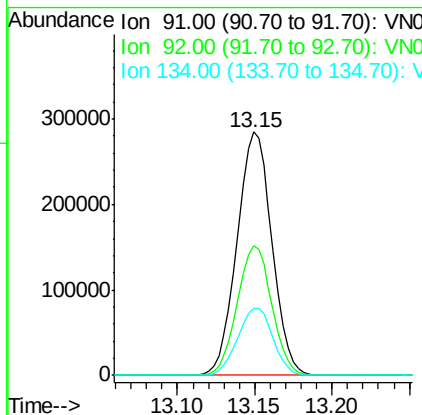
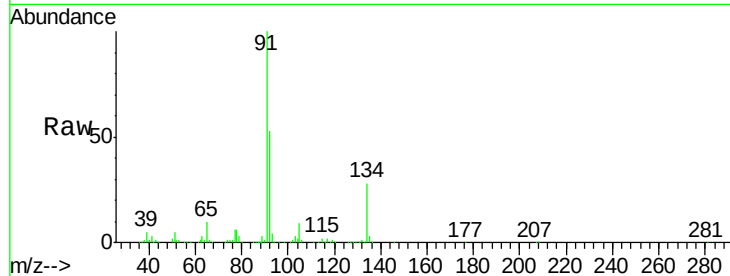
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	446126
Ion Ratio	Lower	Upper	
91	100		
92	52.6	0.0	104.4
134	28.0	0.0	55.0

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#86

Hexachloroethane

Concen: 17.581 ug/l

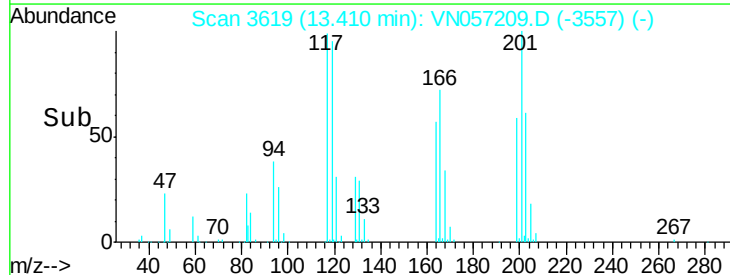
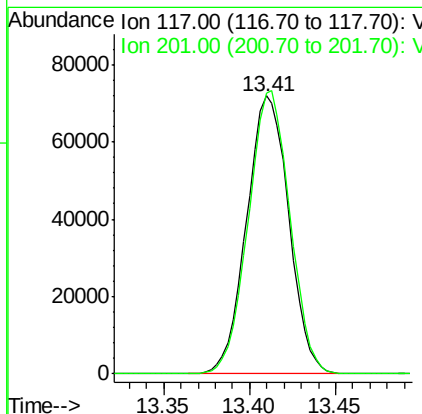
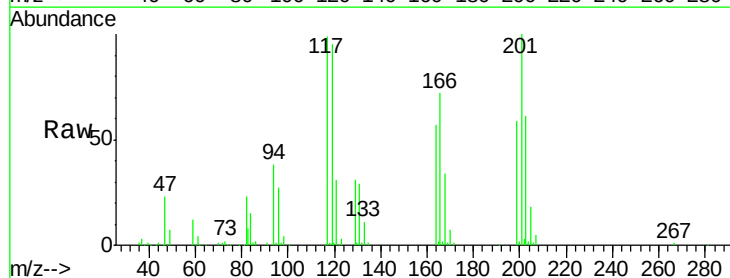
RT: 13.41 min Scan# 3619

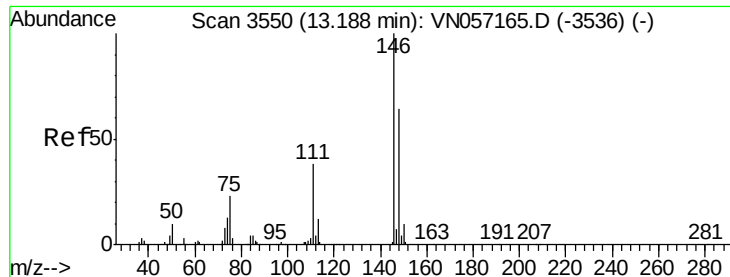
Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	117	Resp:	122615
Ion Ratio	Lower	Upper	
117	100		
201	100.2	49.3	147.9





#87

1,2-Dichlorobenzene

Concen: 16.762 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. -0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Instrument :

MSVOA_N

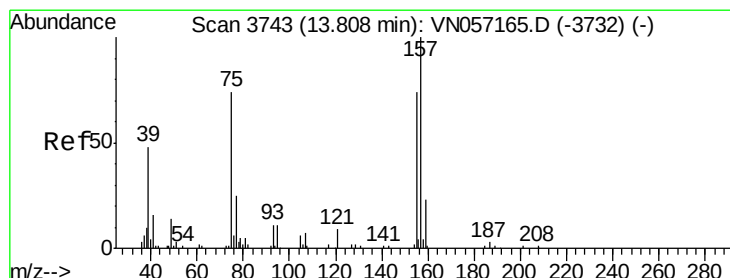
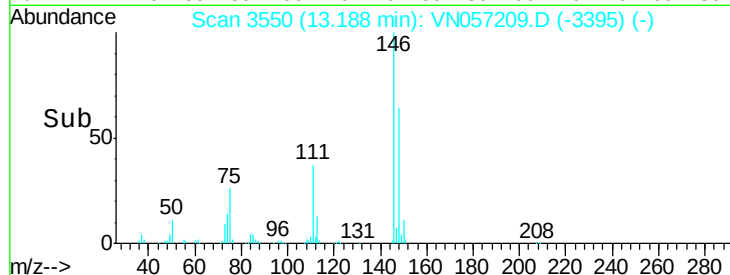
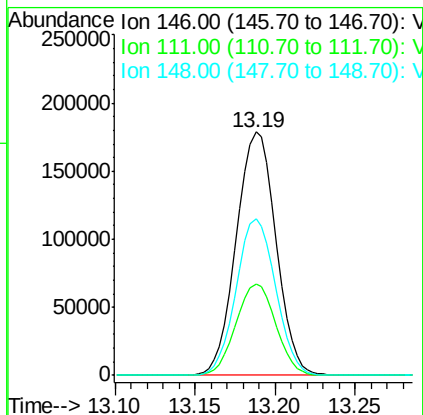
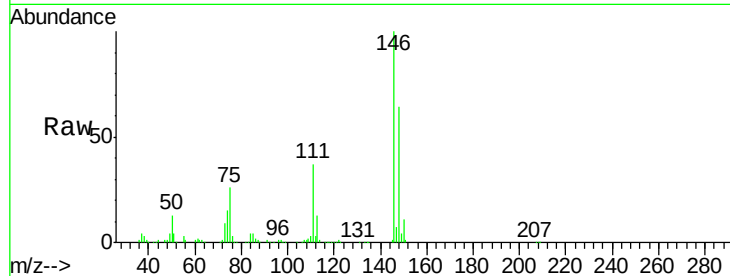
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	302138
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.5
148	64.0	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.243 ug/l

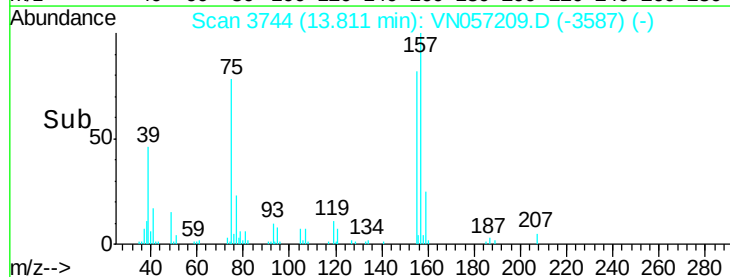
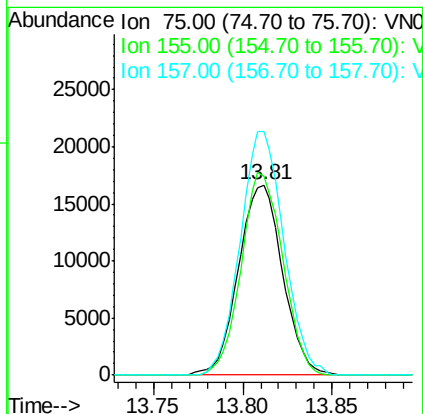
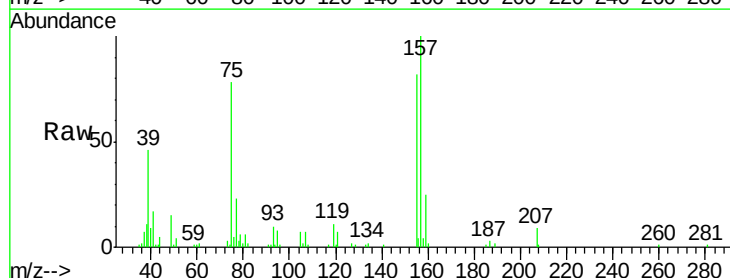
RT: 13.81 min Scan# 3744

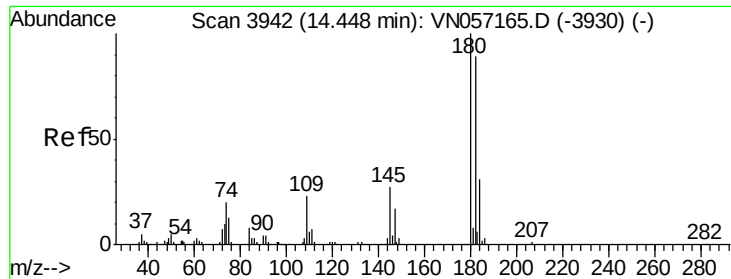
Delta R.T. 0.00 min

Lab File: VN057209.D

Acq: 12 Aug 2019 12:11

Tgt Ion:	75	Resp:	28733
Ion Ratio	Lower	Upper	
75	100		
155	100.8	80.9	121.3
157	126.8	111.3	166.9





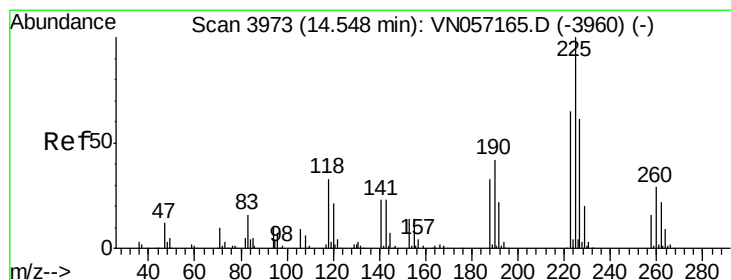
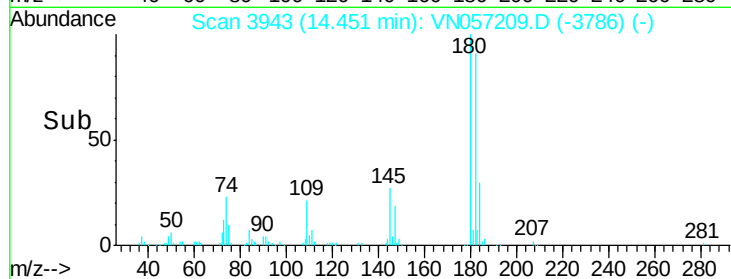
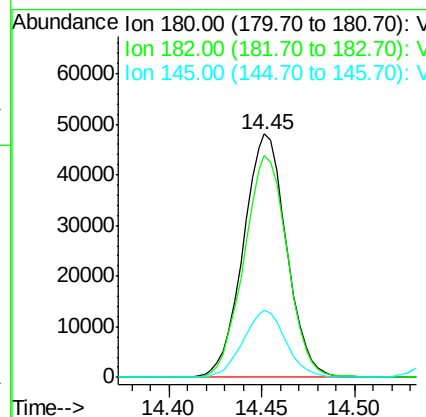
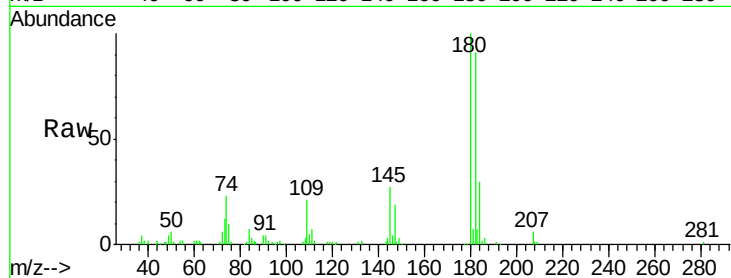
#89
 1,2,4-Trichlorobenzene
 Concen: 16.232 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	75.0	112.6
145	27.0	21.7	32.5

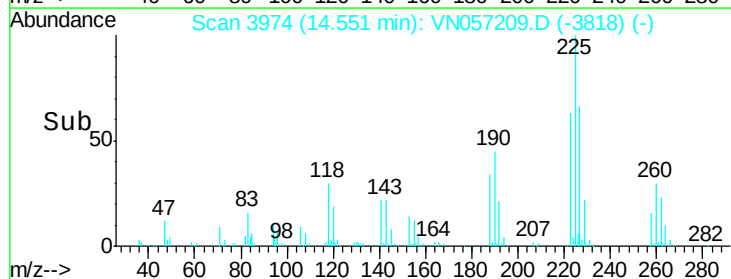
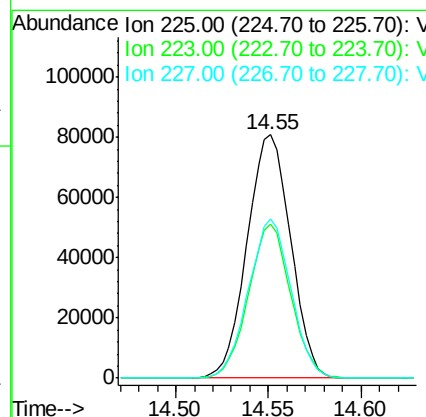
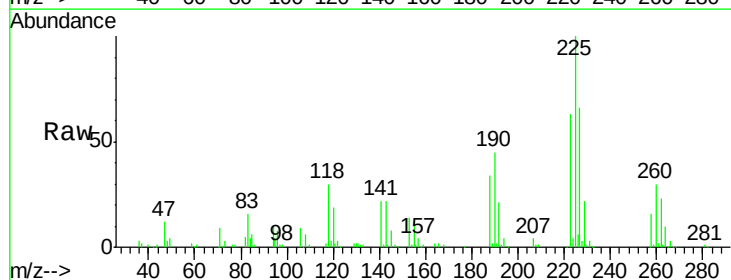
Manual Integrations
 APPROVED

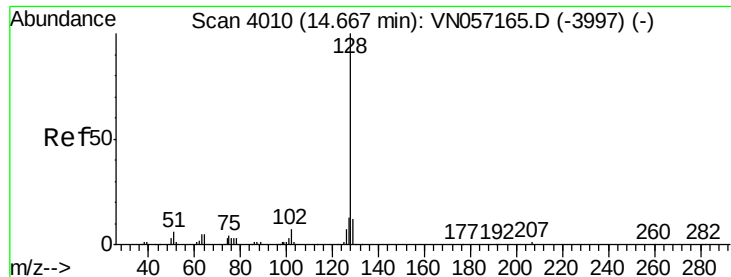
MMDadoda
 8/14/2019 9:23:43 AM



#90
 Hexachlorobutadiene
 Concen: 16.954 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057209.D
 Acq: 12 Aug 2019 12:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	0.0	128.0
227	63.8	0.0	125.6





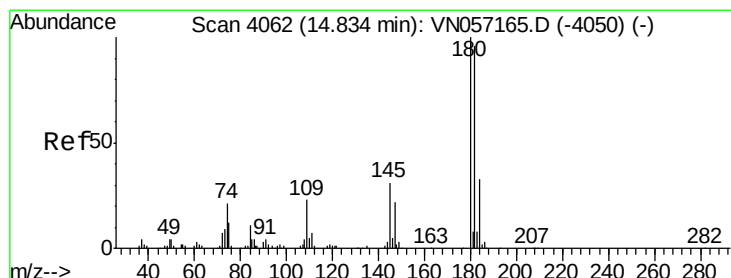
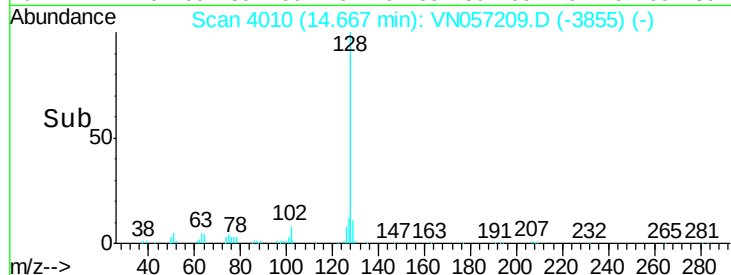
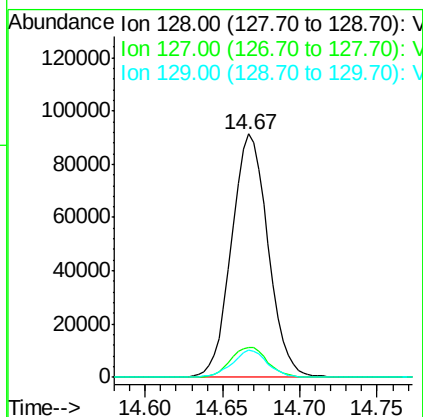
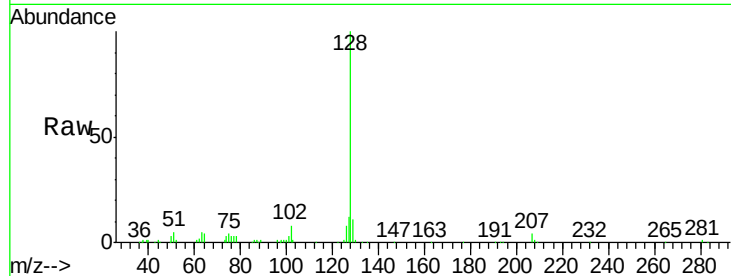
#91
Naphthalene
Concen: 10.937 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	149641
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:43 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.874 ug/l
RT: 14.84 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VN057209.D
Acq: 12 Aug 2019 12:11

Tgt Ion:	180	Resp:	82101
Ion Ratio	Lower	Upper	
180	100		
182	95.0	0.0	195.8
145	28.6	0.0	61.2

