

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063335.D
 Acq On : 14 Sep 2020 12:08
 Operator : JC/MD
 Sample : VN0914MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 1:59:01 PM

Quant Time: Sep 15 05:34:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	460251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	795830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	728480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	329843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	365736	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.55	113	268778	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.06	98	1032097	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.38	95	375486	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78084	17.665	ug/l	99
3) Chloromethane	2.04	50	113870	18.118	ug/l	99
4) Vinyl Chloride	2.16	62	111042	17.756	ug/l	97
5) Bromomethane	2.54	94	77962	17.868	ug/l	97
6) Chloroethane	2.68	64	73888	18.062	ug/l	99
7) Trichlorofluoromethane	2.99	101	175918	18.191	ug/l	98
8) Diethyl Ether	3.37	74	64582	18.729	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	91748	18.159	ug/l	98
10) Methyl Iodide	3.91	142	120426	18.387	ug/l	99
11) Tert butyl alcohol	4.72	59	94584	98.931	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	90431	17.930	ug/l	97
13) Acrolein	3.57	56	48989	114.250	ug/l	99
14) Allyl chloride	4.28	41	180512	17.435	ug/l	99
15) Acrylonitrile	4.93	53	249337	95.385	ug/l	99
16) Acetone	3.77	43	217463	87.092	ug/l	97
17) Carbon Disulfide	4.01	76	260078	17.764	ug/l	98
18) Methyl Acetate	4.28	43	120868	19.256	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	335881	18.637	ug/l	99
20) Methylene Chloride	4.50	84	111867	18.885	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	100131	17.741	ug/l	100
22) Diisopropyl ether	5.90	45	379657	18.633	ug/l	95
23) Vinyl Acetate	5.84	43	1567430	97.732	ug/l	99
24) 1,1-Dichloroethane	5.80	63	205414	18.616	ug/l	99
25) 2-Butanone	6.78	43	350691	95.078	ug/l	97
26) 2,2-Dichloropropane	6.78	77	171068	17.688	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	117983	17.936	ug/l	98
28) Bromochloromethane	7.15	49	101508	18.971	ug/l	99
29) Tetrahydrofuran	7.17	42	228301	95.058	ug/l	98
30) Chloroform	7.33	83	200689	18.165	ug/l	97
31) Cyclohexane	7.61	56	184107	18.153	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	176887	18.367	ug/l	98
36) 1,1-Dichloropropene	7.75	75	151387	18.506	ug/l	100
37) Ethyl Acetate	6.88	43	154748	19.229	ug/l	99
38) Carbon Tetrachloride	7.73	117	148956	18.502	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063335.D
 Acq On : 14 Sep 2020 12:08
 Operator : JC/MD
 Sample : VN0914MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 1:59:01 PM

Quant Time: Sep 15 05:34:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	161982	18.151	ug/l	99
40) Benzene	8.00	78	441159	18.882	ug/l	100
41) Methacrylonitrile	7.12	41	68929	18.935	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	173499	19.572	ug/l	99
43) Isopropyl Acetate	8.13	43	259213	19.019	ug/l	99
44) Trichloroethene	8.80	130	114068	18.669	ug/l	97
45) 1,2-Dichloropropane	9.08	63	123165	19.218	ug/l	98
46) Dibromomethane	9.17	93	80422	19.352	ug/l	99
47) Bromodichloromethane	9.37	83	163887	18.923	ug/l	98
48) Methyl methacrylate	9.17	41	125833	19.350	ug/l	98
49) 1,4-Dioxane	9.16	88	36184	359.374	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	769909	102.506	ug/l	99
52) Toluene	10.12	92	273866	19.198	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	181566	19.225	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	192630	18.944	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	108191	19.355	ug/l	96
56) Ethyl methacrylate	10.40	69	167926	19.755	ug/l	97
57) 1,3-Dichloropropane	10.68	76	190314	19.484	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	395335	86.705	ug/l	99
59) 2-Hexanone	10.72	43	555472	100.278	ug/l	99
60) Dibromochloromethane	10.87	129	117545	19.150	ug/l	100
61) 1,2-Dibromoethane	10.98	107	112484	19.303	ug/l	99
64) Tetrachloroethene	10.60	164	112386	18.832	ug/l	98
65) Chlorobenzene	11.41	112	287224	18.314	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	107044	18.734	ug/l	98
67) Ethyl Benzene	11.48	91	521551	18.524	ug/l	98
68) m/p-Xylenes	11.60	106	383869	36.859	ug/l	100
69) o-Xylene	11.92	106	189569	18.967	ug/l	95
70) Styrene	11.94	104	308695	18.584	ug/l	100
71) Bromoform	12.10	173	74285	18.796	ug/l #	100
73) Isopropylbenzene	12.22	105	497438	18.697	ug/l	99
74) N-amyl acetate	12.05	43	212449	19.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	149689	19.645	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	141578m	19.456	ug/l	
77) Bromobenzene	12.50	156	116147	18.992	ug/l	99
78) n-propylbenzene	12.57	91	582391	19.269	ug/l	100
79) 2-Chlorotoluene	12.65	91	346083	18.623	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	422137	19.109	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	51734	19.102	ug/l	97
82) 4-Chlorotoluene	12.75	91	359166	18.437	ug/l	99
83) tert-Butylbenzene	12.97	119	341223	18.213	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	425391	19.104	ug/l	100
85) sec-Butylbenzene	13.15	105	450734	18.909	ug/l	100
86) p-Isopropyltoluene	13.26	119	411863	18.847	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	206036	18.429	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	205656	18.597	ug/l	98
89) n-Butylbenzene	13.59	91	362364	18.369	ug/l	99
90) Hexachloroethane	13.85	117	70567	19.632	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	204909	18.544	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	33012	19.053	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
Data File : VN063335.D
Acq On : 14 Sep 2020 12:08
Operator : JC/MD
Sample : VN0914MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

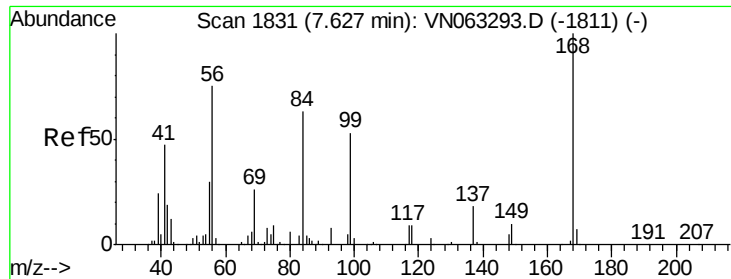
Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM

Quant Time: Sep 15 05:34:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 11 06:02:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	109654	16.953	ug/l	99
94) Hexachlorobutadiene	14.98	225	43778	17.964	ug/l	98
95) Naphthalene	15.10	128	337193	16.994	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	105327	17.599	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion:168 Resp: 460251

Ion Ratio Lower Upper

168 100

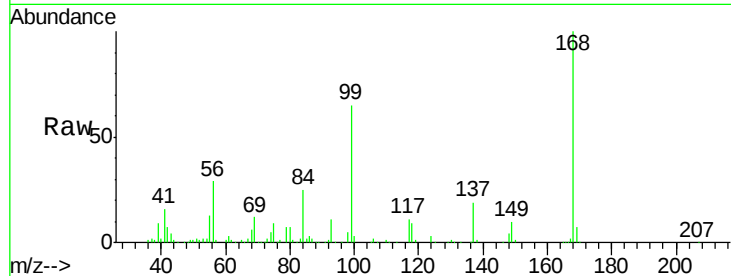
99 65.2 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

9/15/2020 1:59:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

200000

150000

100000

50000

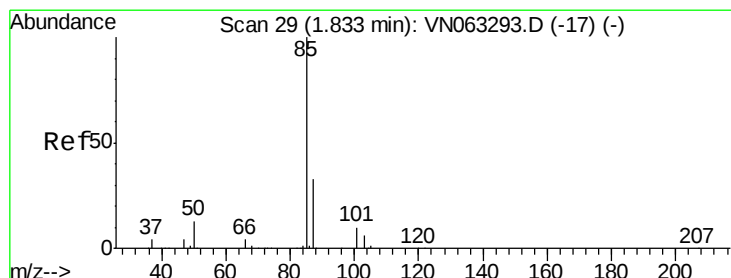
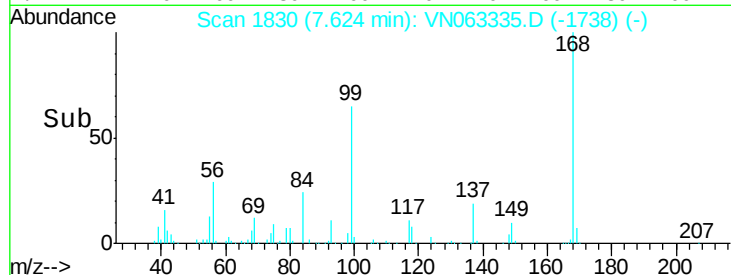
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.665 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063335.D

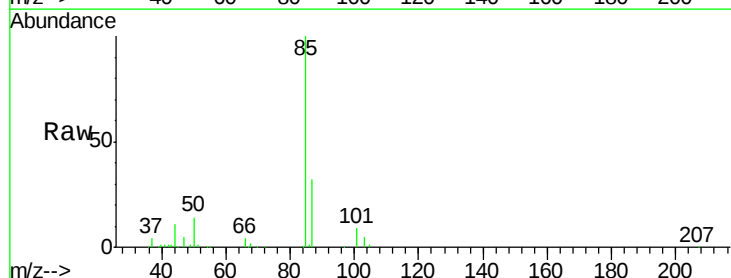
Acq: 14 Sep 2020 12:08

Tgt Ion: 85 Resp: 78084

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

40000

20000

0

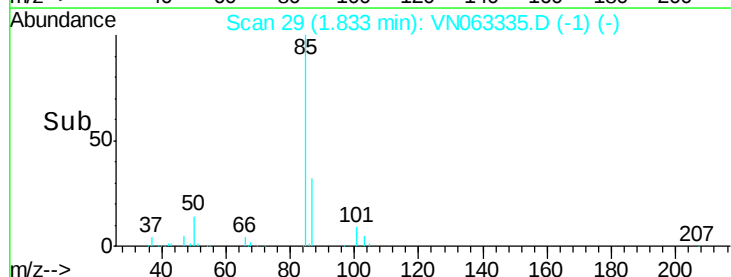
1.75

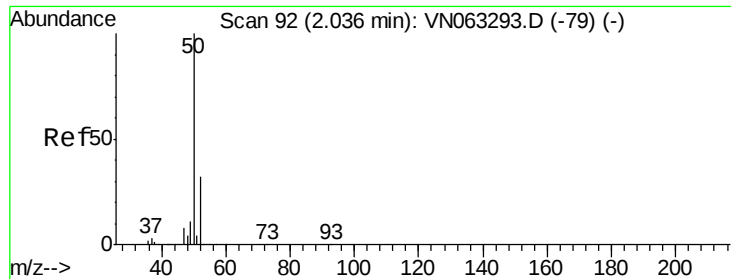
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.118 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion: 50 Resp: 113870

Ion Ratio Lower Upper

50 100

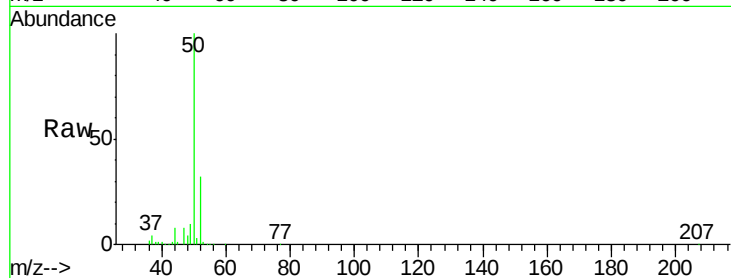
52 32.1 25.4 38.2

Manual Integrations

APPROVED

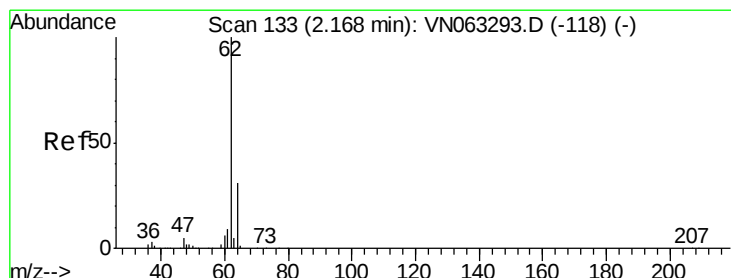
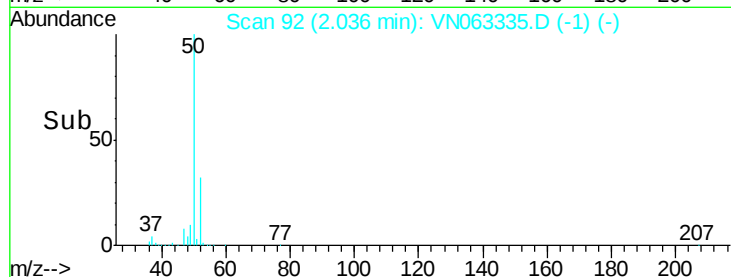
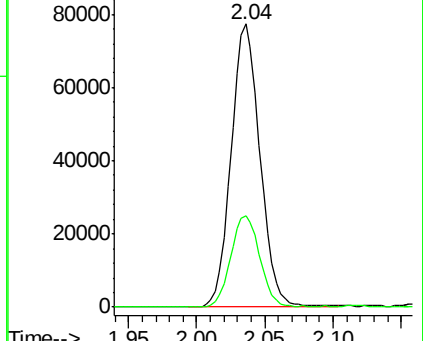
MMDadoda

9/15/2020 1:59:01 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.756 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063335.D

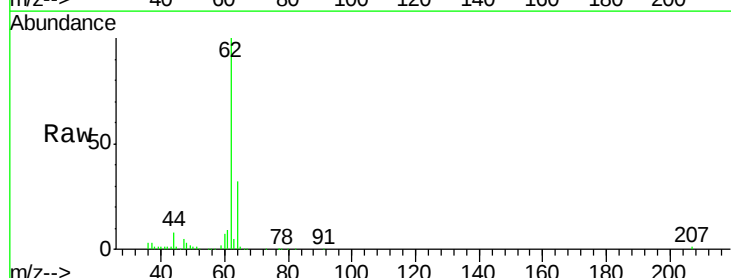
Acq: 14 Sep 2020 12:08

Tgt Ion: 62 Resp: 111042

Ion Ratio Lower Upper

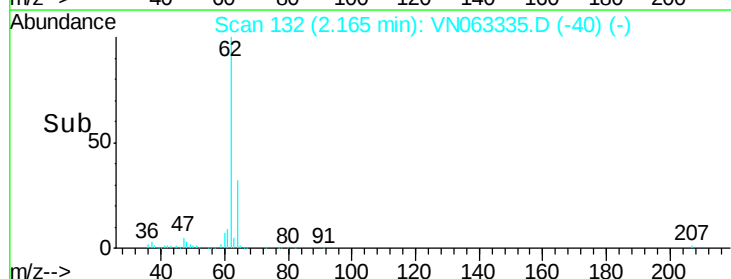
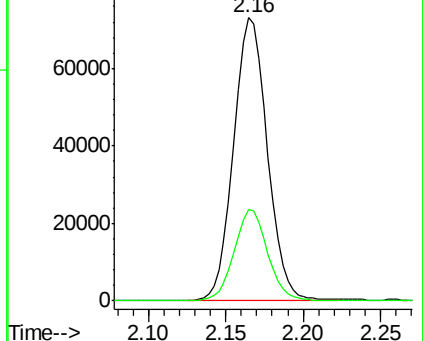
62 100

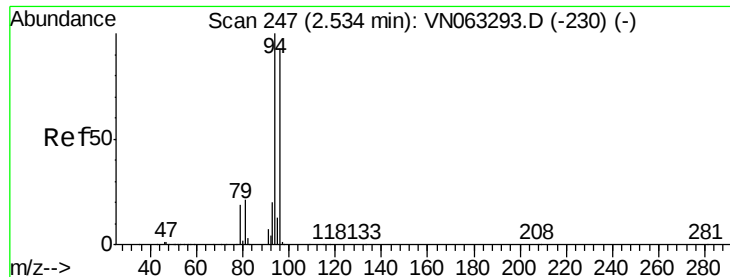
64 32.4 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 17.868 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion: 94 Resp: 77962

Ion Ratio Lower Upper

94 100

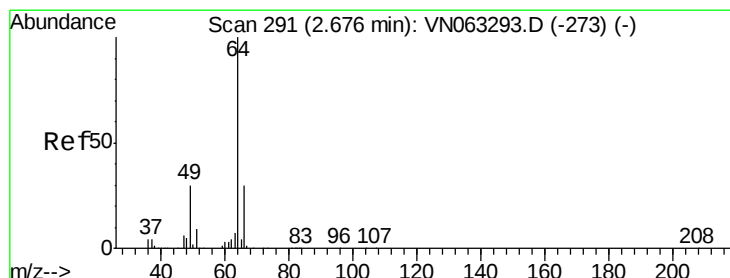
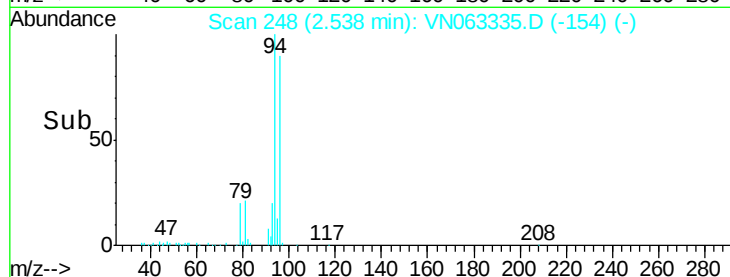
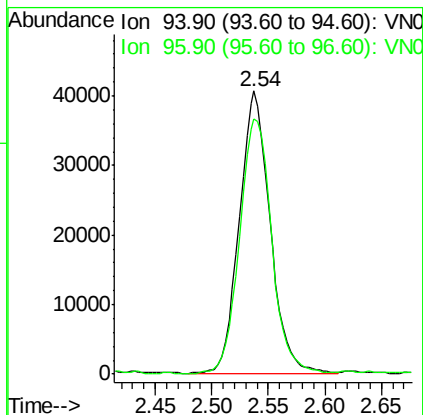
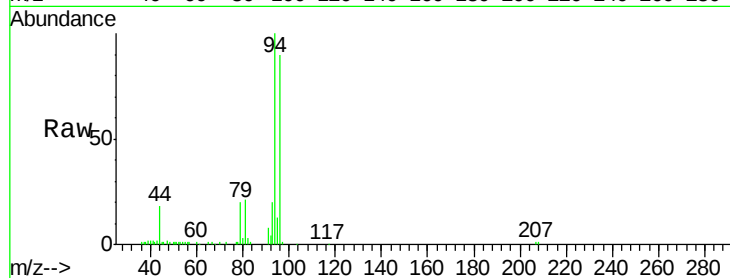
96 90.1 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

9/15/2020 1:59:01 PM



#6

Chloroethane

Concen: 18.062 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063335.D

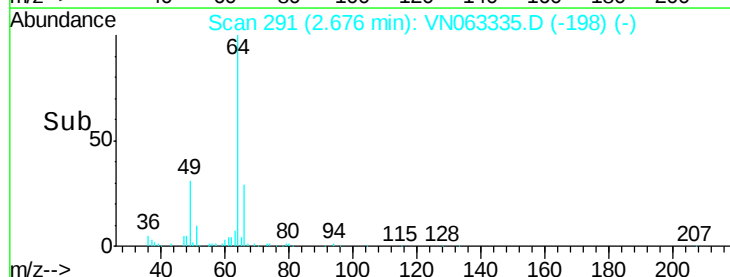
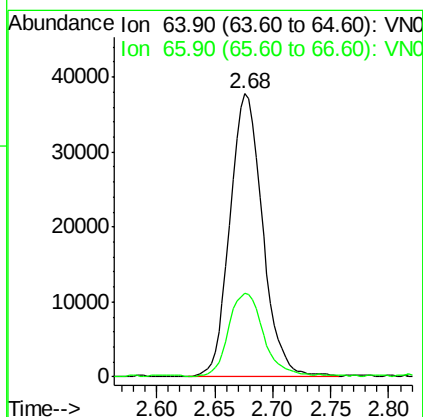
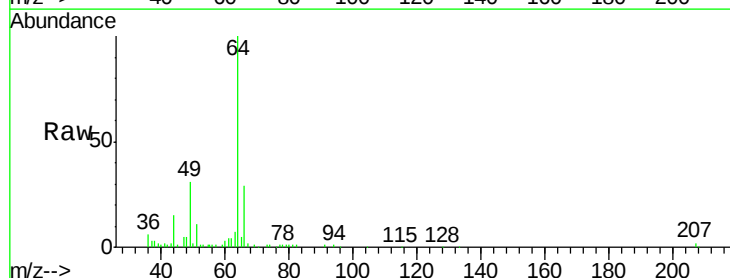
Acq: 14 Sep 2020 12:08

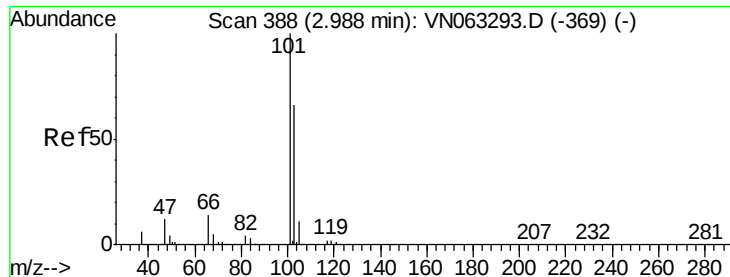
Tgt Ion: 64 Resp: 73888

Ion Ratio Lower Upper

64 100

66 29.4 23.8 35.6





#7

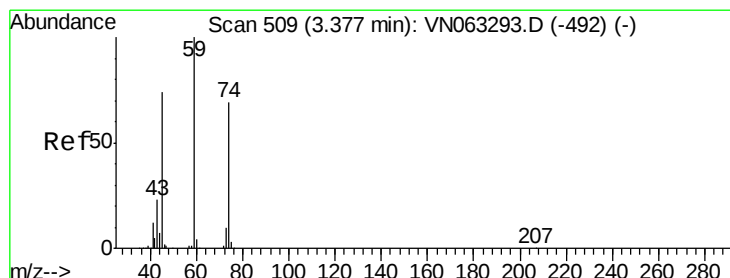
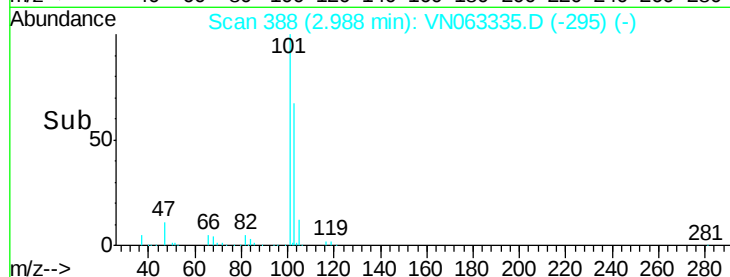
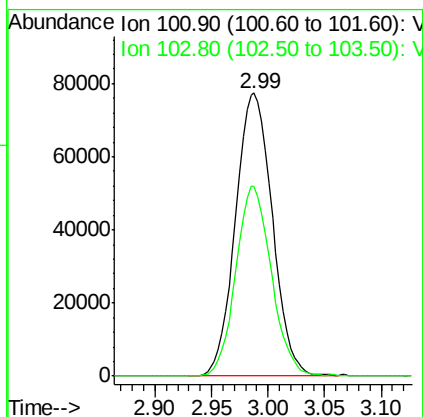
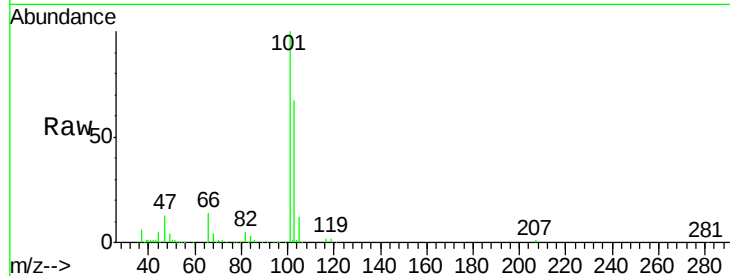
Trichlorofluoromethane
Concen: 18.191 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.4	78.6

Manual Integrations
APPROVED

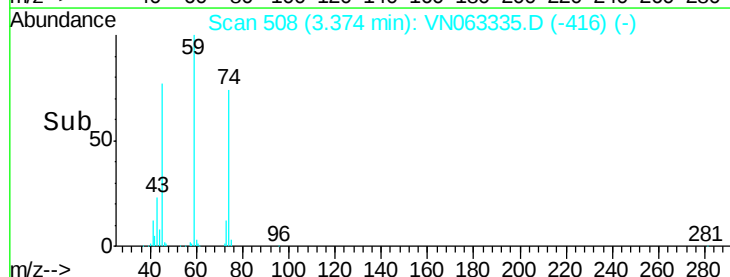
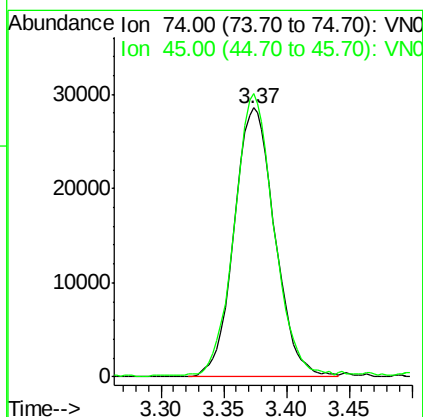
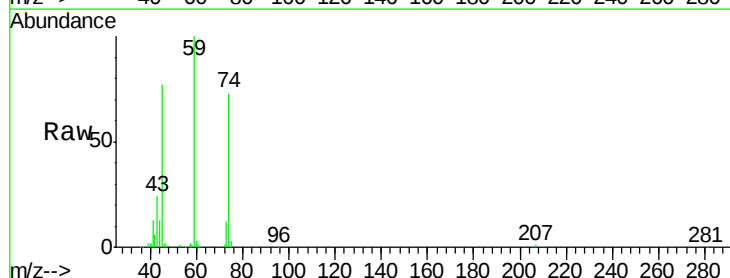
MMDadoda
9/15/2020 1:59:01 PM

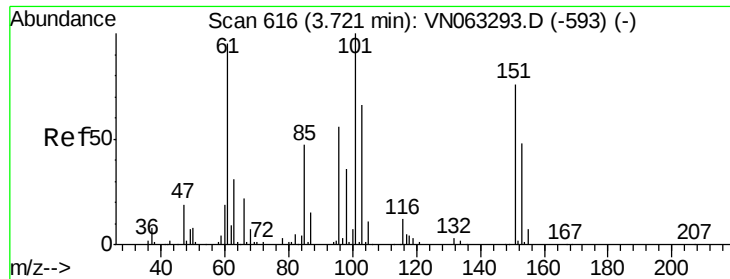


#8

Diethyl Ether
Concen: 18.729 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	52.7	158.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.159 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

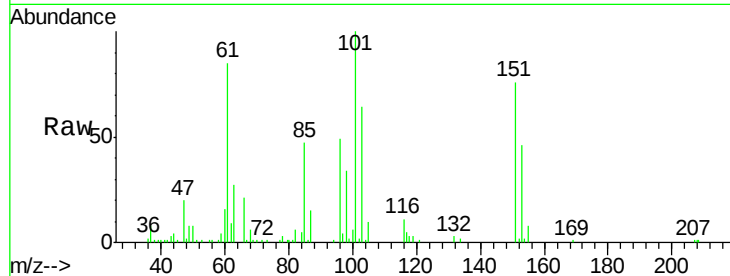
ClientSampleId :

VN0914MBS01

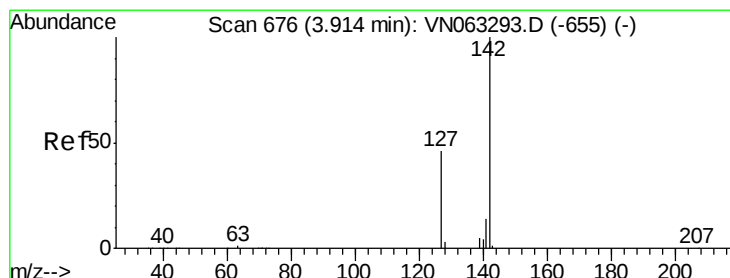
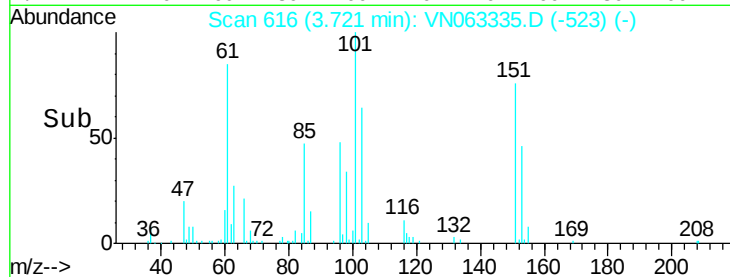
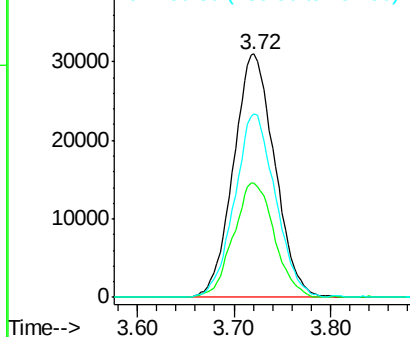
Tot Ion:	101	Resp:	91748
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.9	55.3
151	74.9	57.8	86.8

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.387 ug/l

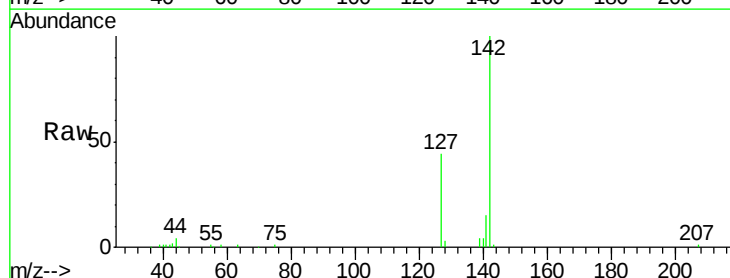
RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

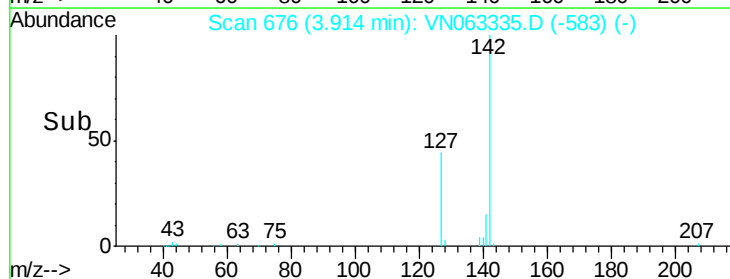
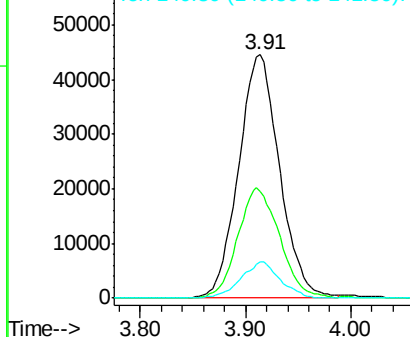
Lab File: VN063335.D

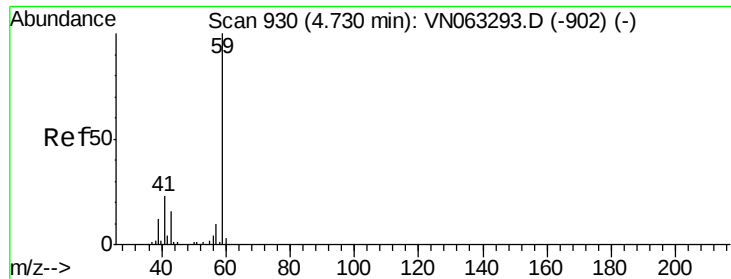
Acq: 14 Sep 2020 12:08

Tgt Ion:	142	Resp:	120426
Ion Ratio	Lower	Upper	
142	100		
127	46.1	37.1	55.7
141	14.1	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

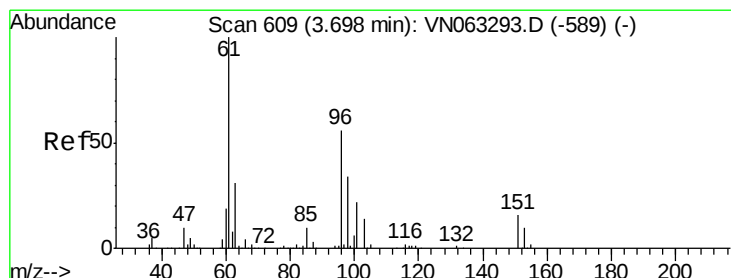
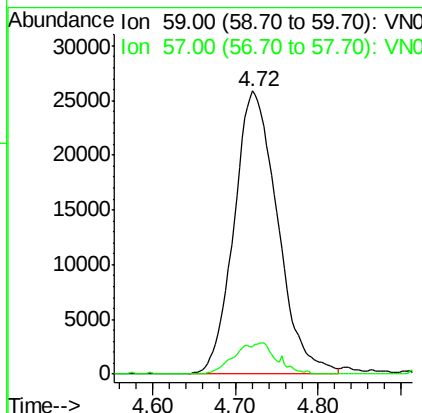
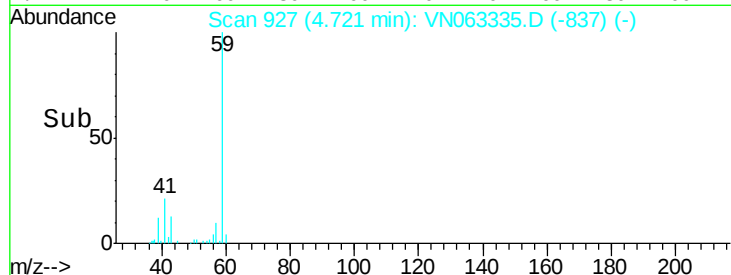
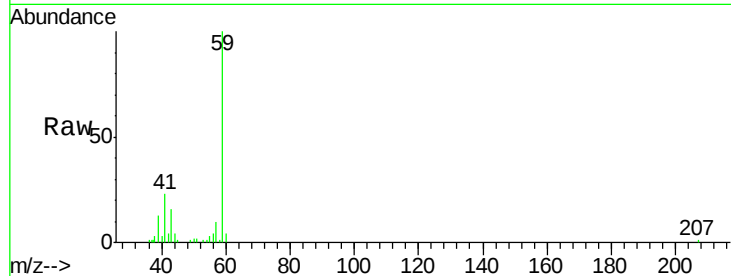
Tert butyl alcohol
Concen: 98.931 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.3	12.5#

Manual Integrations
APPROVED

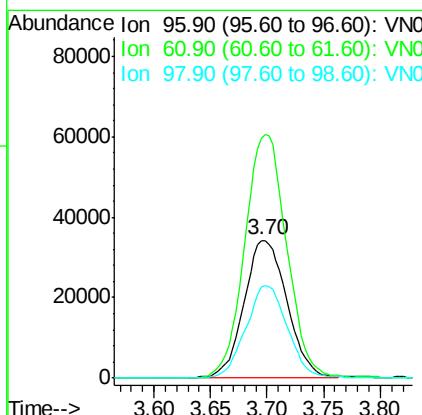
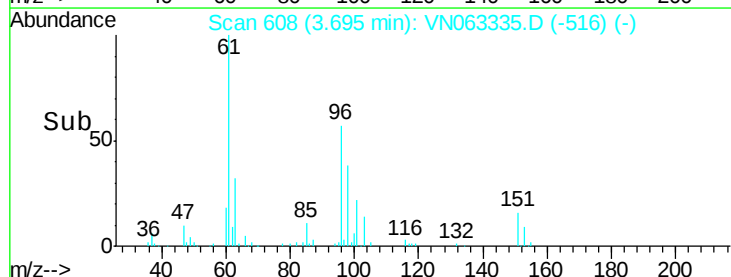
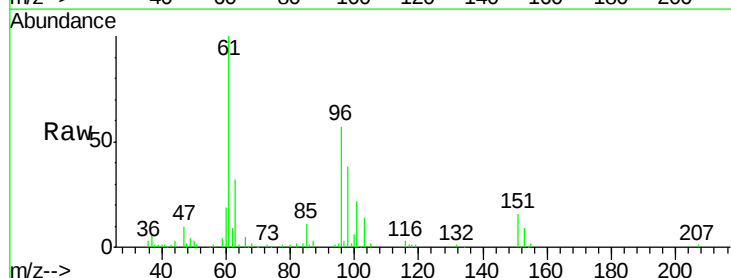
MMDadoda
9/15/2020 1:59:01 PM

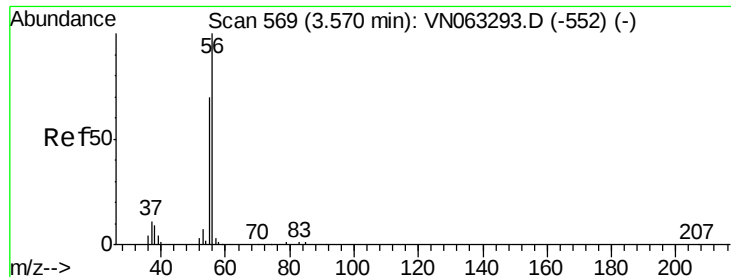


#12

1,1-Dichloroethene
Concen: 17.930 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	142.1	213.1
98	66.0	48.8	73.2





#13

Acrolein

Concen: 114.250 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion: 56 Resp: 48989

Ion Ratio Lower Upper

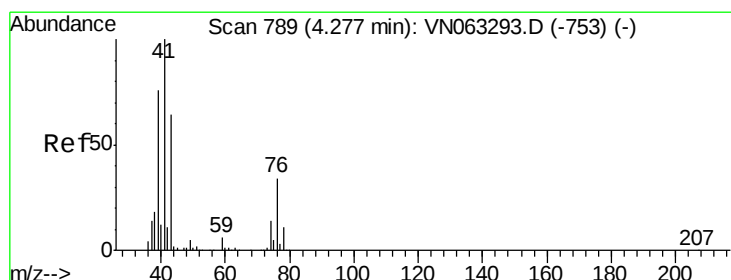
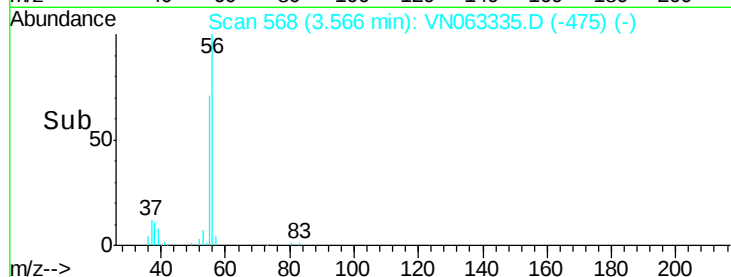
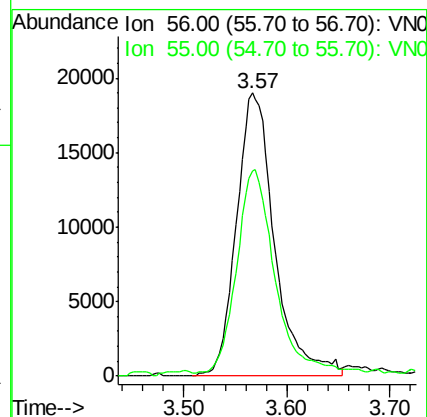
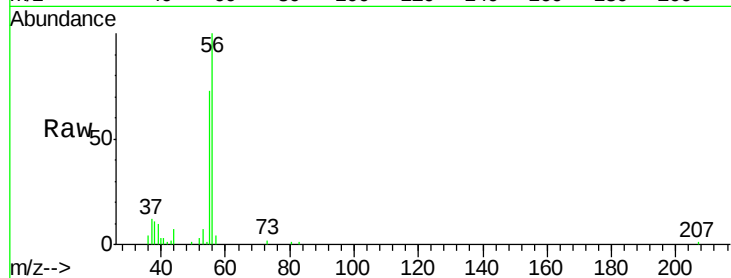
56 100

55 70.8 57.2 85.8

Manual Integrations
APPROVED

MMDadoda

9/15/2020 1:59:01 PM



#14

Allyl chloride

Concen: 17.435 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

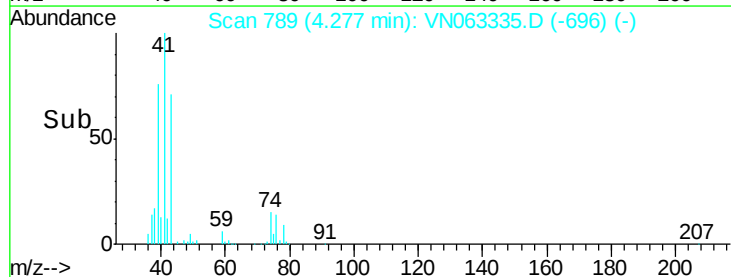
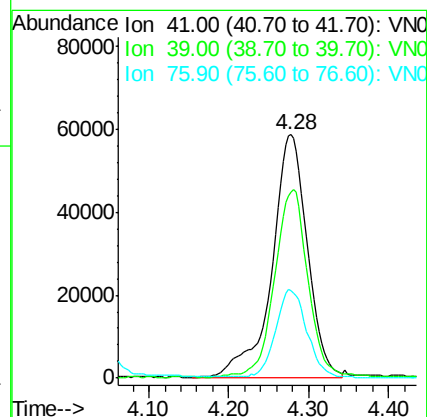
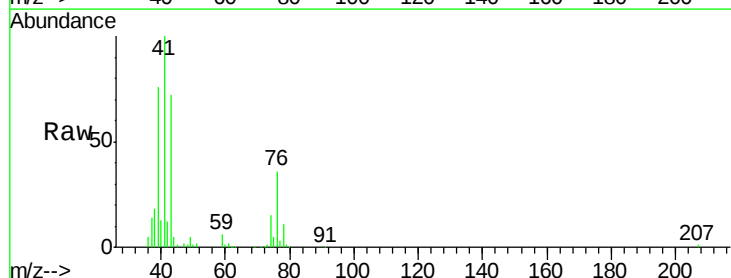
Tgt Ion: 41 Resp: 180512

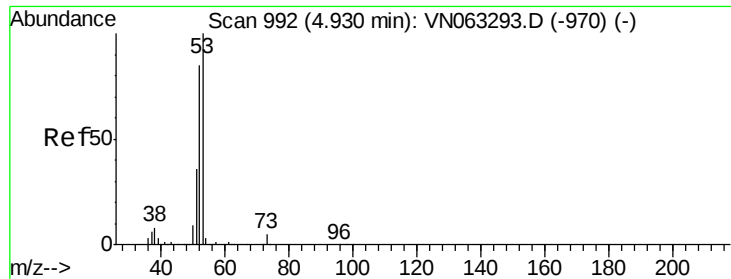
Ion Ratio Lower Upper

41 100

39 72.9 57.4 86.2

76 31.2 25.7 38.5





#15

Acrylonitrile

Concen: 95.385 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

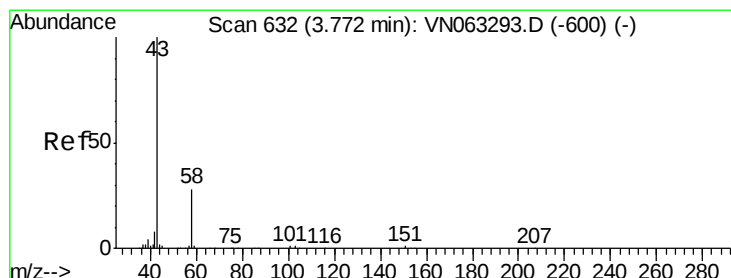
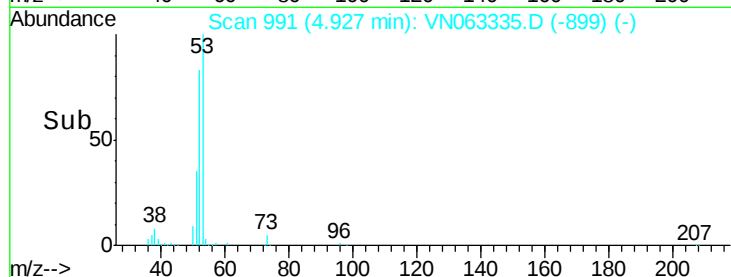
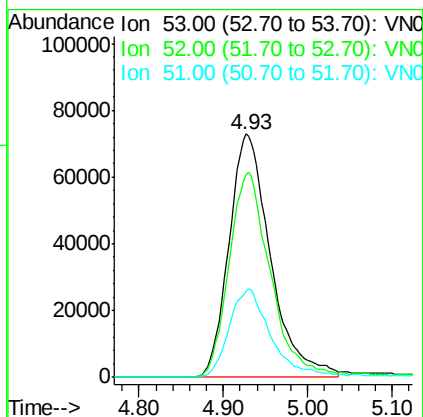
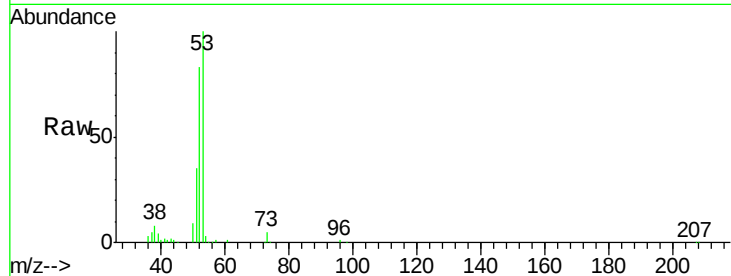
ClientSampleId :

VN0914MBS01

Tot Ion:	53	Resp:	249337
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.5	99.7
51	36.5	29.8	44.6

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM



#16

Acetone

Concen: 87.092 ug/l

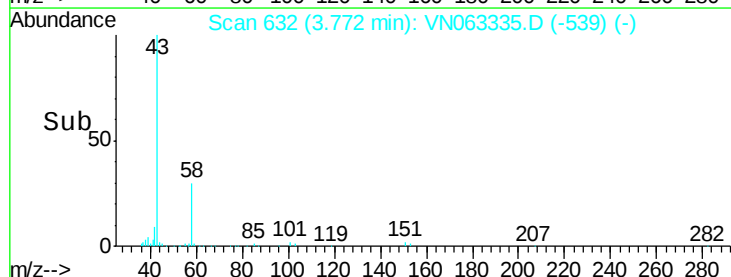
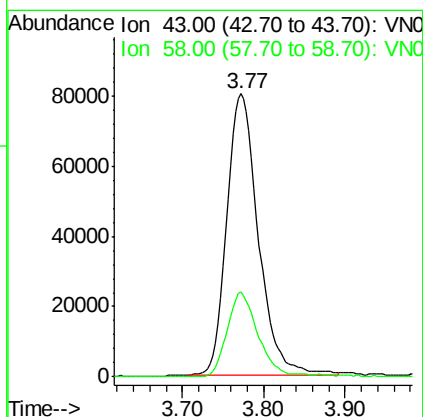
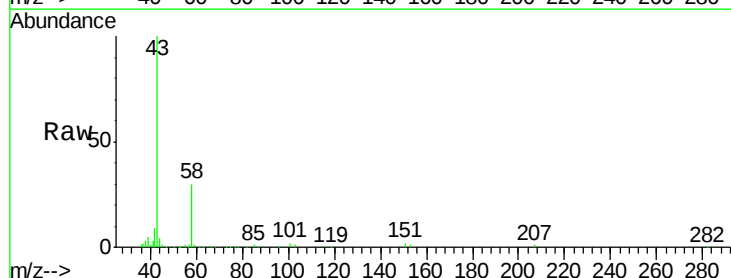
RT: 3.77 min Scan# 632

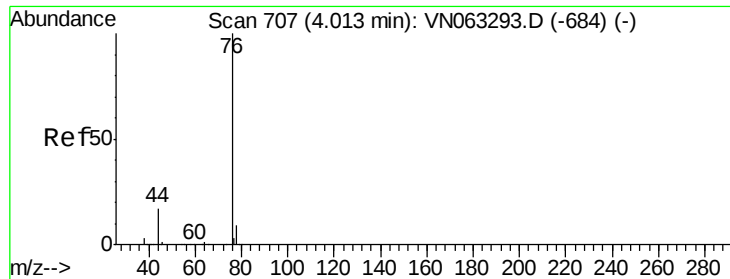
Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Tgt Ion:	43	Resp:	217463
Ion Ratio		Lower	Upper
43	100		
58	30.1	22.6	34.0





#17

Carbon Disulfide

Concen: 17.764 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion: 76 Resp: 260078

Ion Ratio Lower Upper

76 100

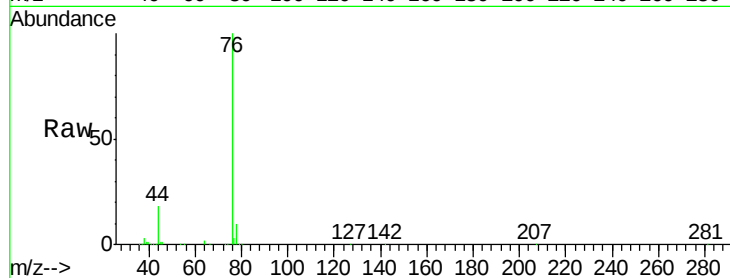
78 9.9 7.2 10.8

Manual Integrations

APPROVED

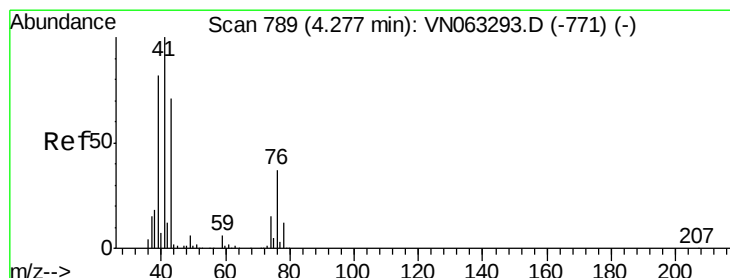
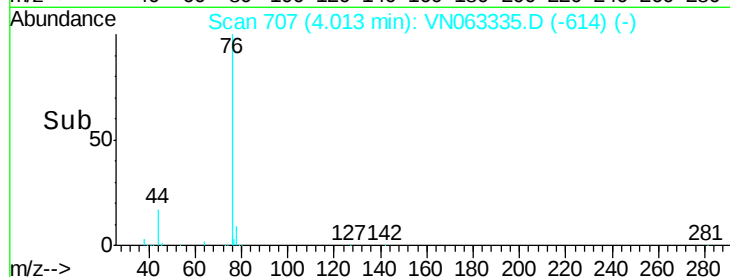
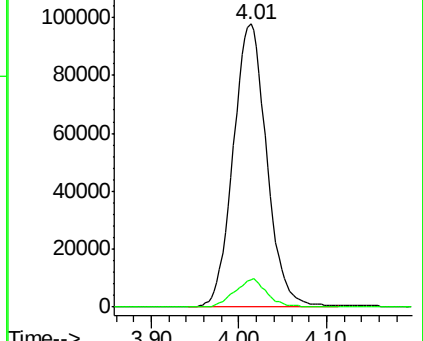
MMDadoda

9/15/2020 1:59:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.256 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063335.D

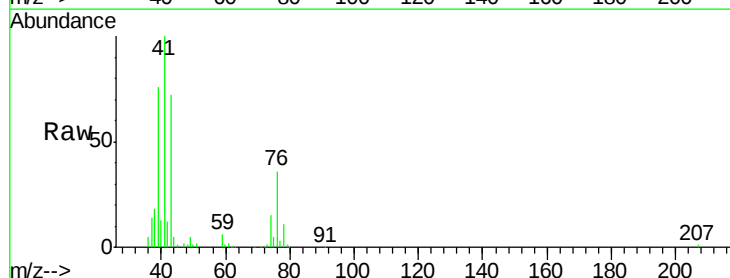
Acq: 14 Sep 2020 12:08

Tgt Ion: 43 Resp: 120868

Ion Ratio Lower Upper

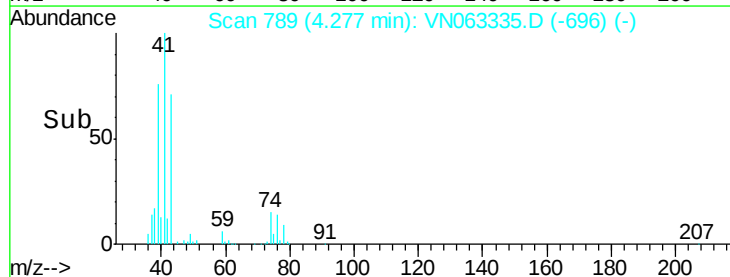
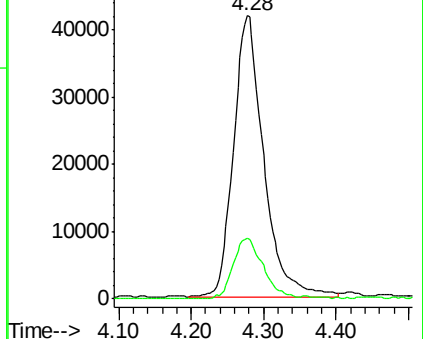
43 100

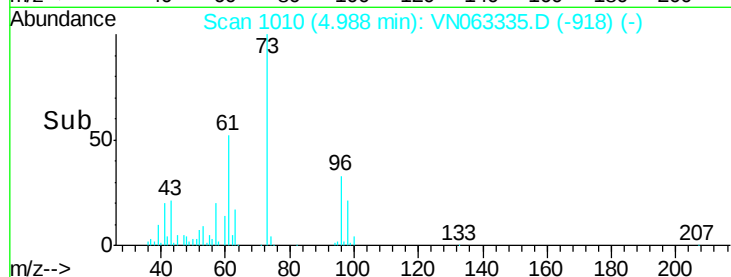
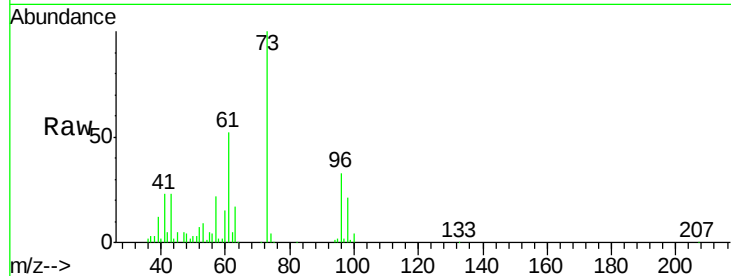
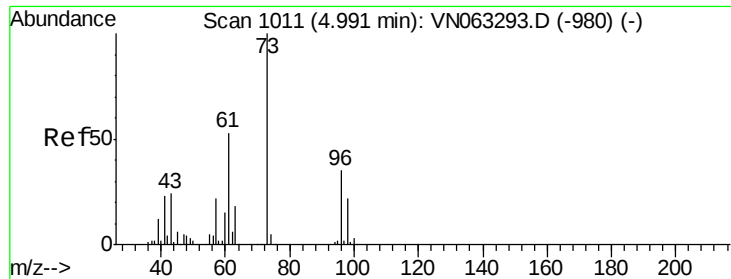
74 21.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





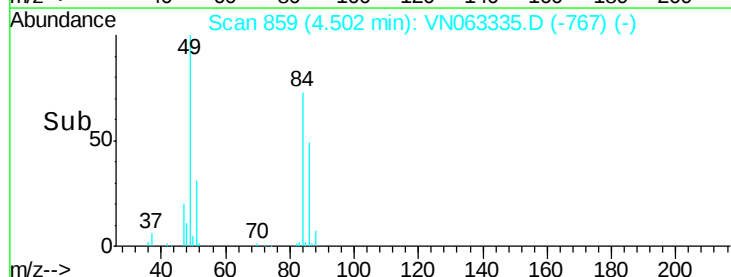
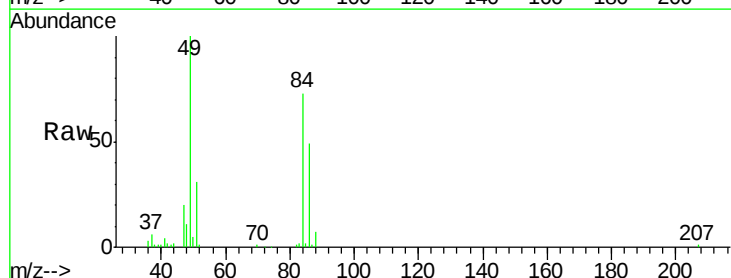
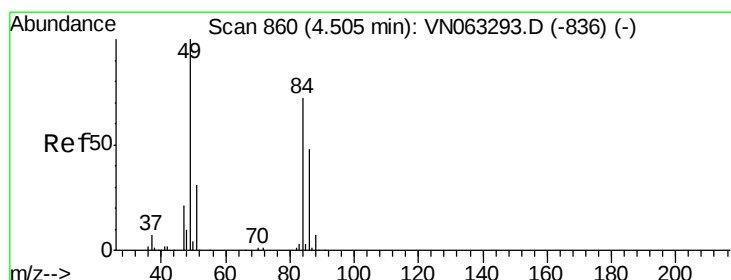
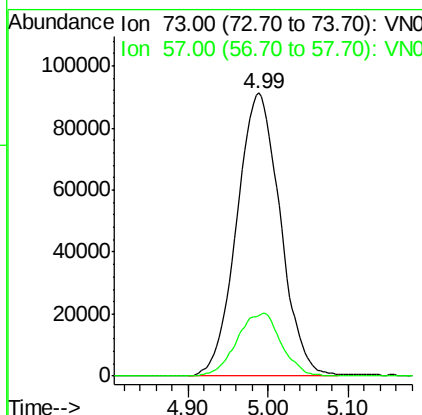
#19
Methvl tert-butvl Ether
Concen: 18.637 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tot Ion: 73 Resp: 335881
Ion Ratio Lower Upper
73 100
57 21.6 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

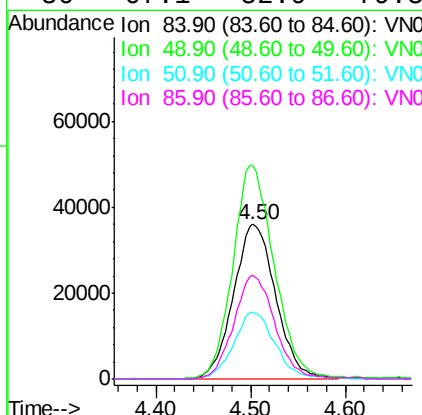
Manual Integrations
APPROVED

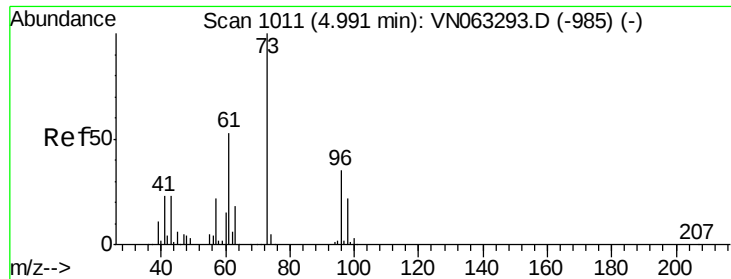
MMDadoda
9/15/2020 1:59:01 PM



#20
Methylene Chloride
Concen: 18.885 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion: 84 Resp: 111867
Ion Ratio Lower Upper
84 100
49 137.2 111.1 166.7
51 42.4 34.3 51.5
86 67.1 52.9 79.3





#21

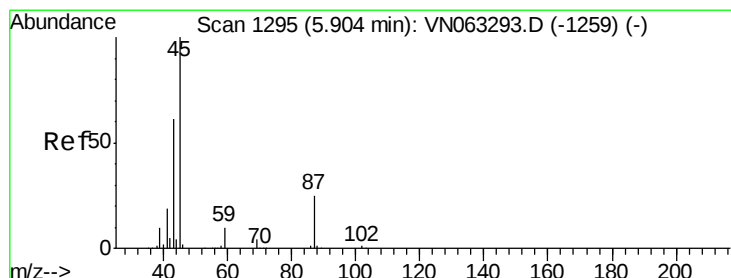
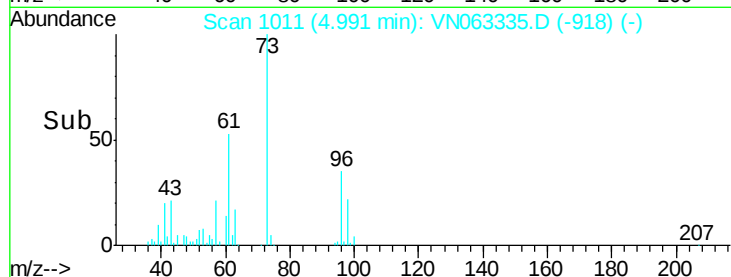
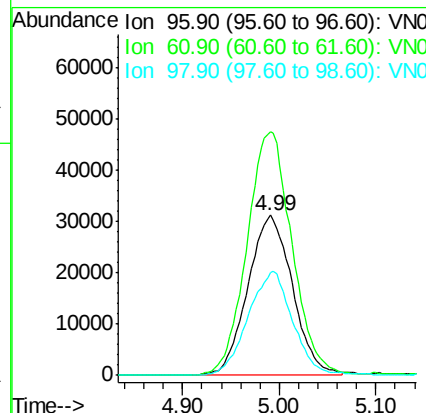
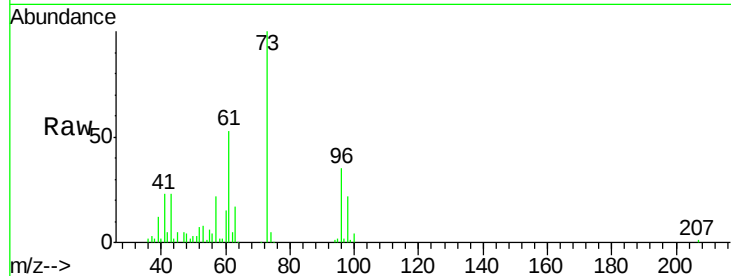
trans-1,2-Dichloroethene
Concen: 17.741 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.3	121.8	182.8
98	64.0	51.2	76.8

Manual Integrations
APPROVED

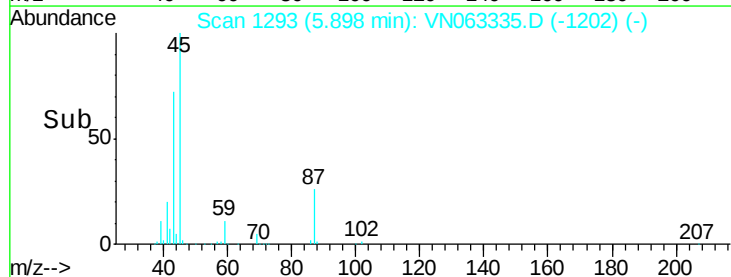
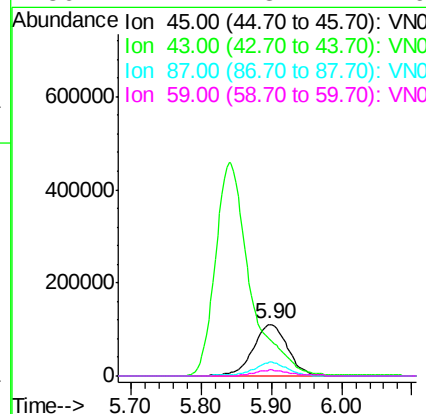
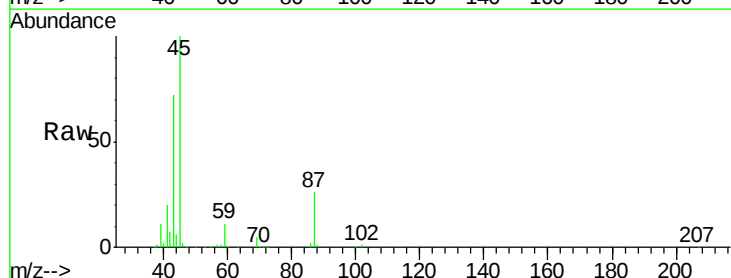
MMDadoda
9/15/2020 1:59:01 PM

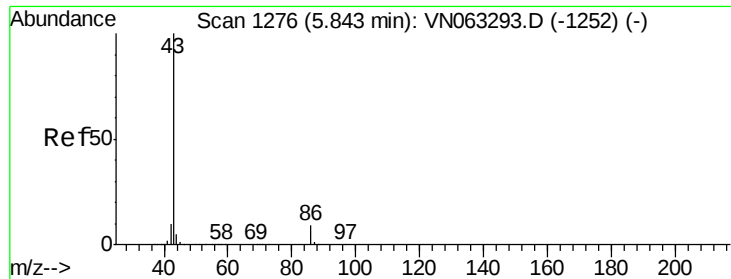


#22

Diisopropyl ether
Concen: 18.633 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.3	50.3	75.5
87	25.9	20.7	31.1
59	11.1	8.4	12.6





#23

Vinyl Acetate

Concen: 97.732 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0914MBS01

Tot Ion: 43 Resp: 1567430

Ion Ratio Lower Upper

43 100

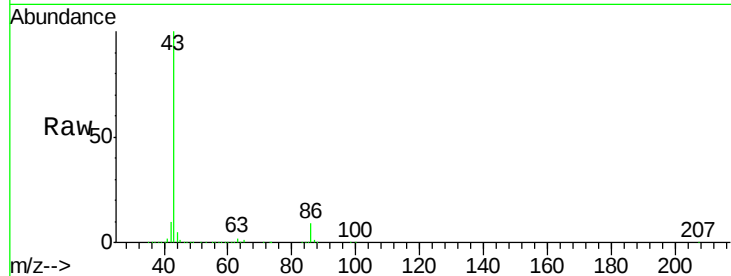
86 9.2 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

9/15/2020 1:59:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

400000

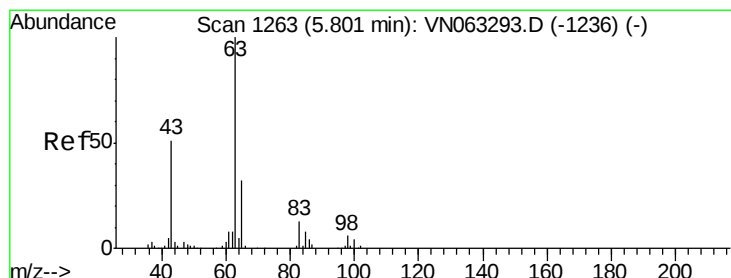
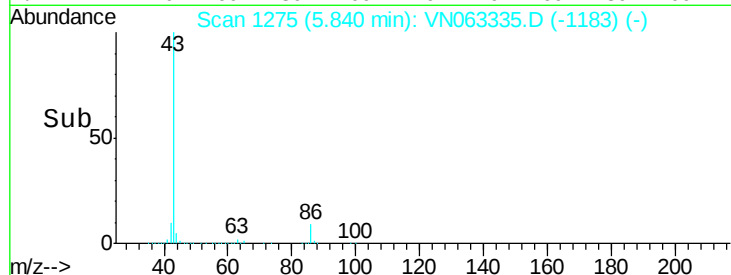
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.616 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

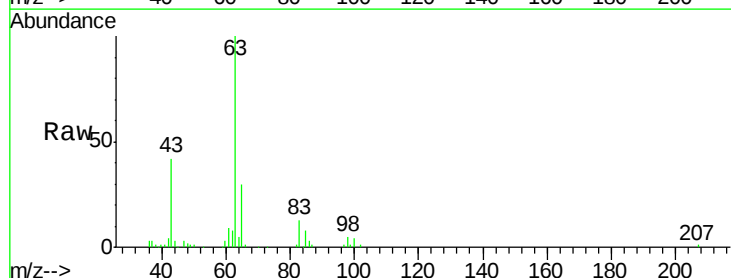
Tgt Ion: 63 Resp: 205414

Ion Ratio Lower Upper

63 100

98 5.4 3.1 9.3

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

80000

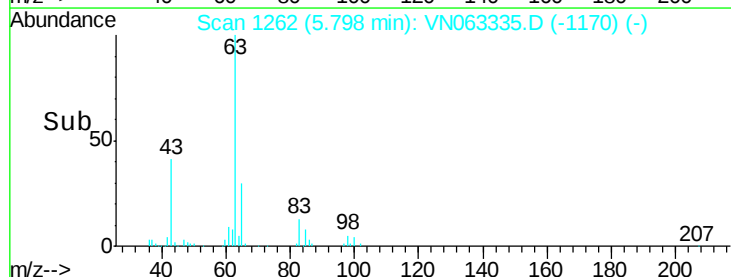
60000

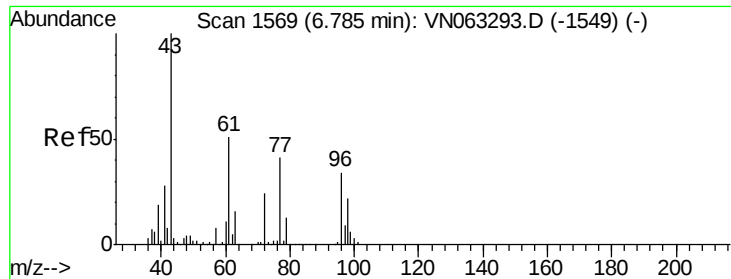
40000

20000

0

Time-->





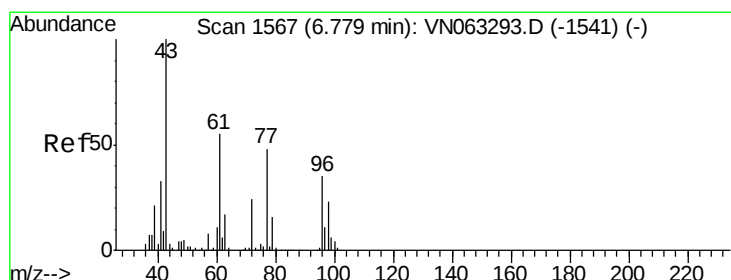
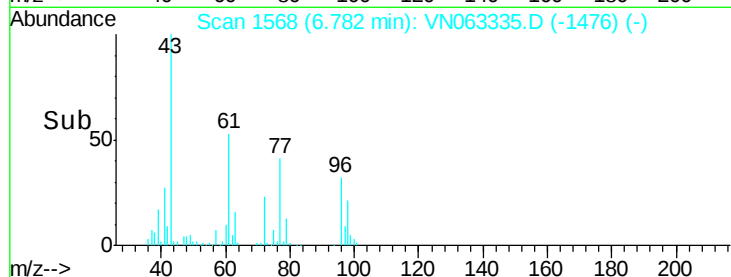
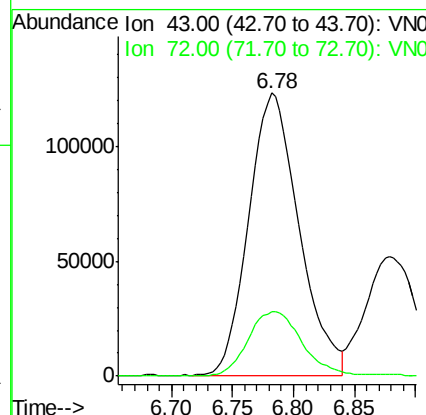
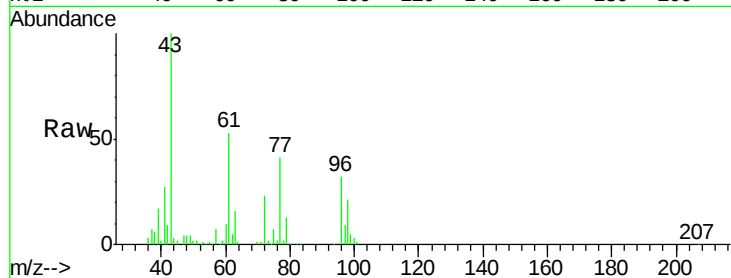
#25
2-Butanone
Concen: 95.078 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion: 43 Resp: 350691
Ion Ratio Lower Upper
43 100
72 22.8 19.4 29.2

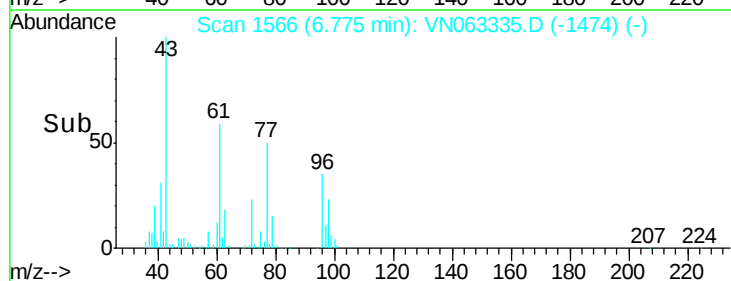
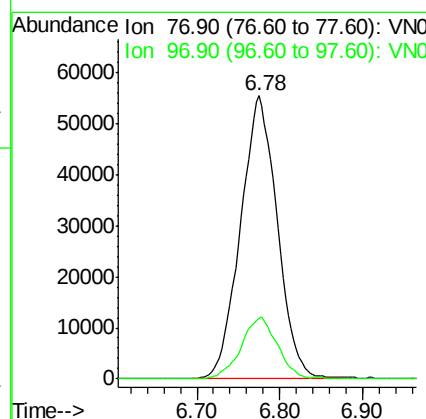
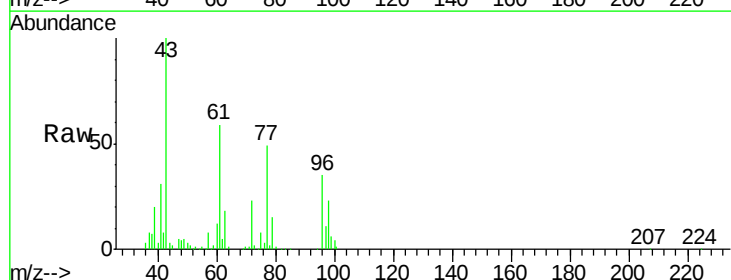
Manual Integrations
APPROVED

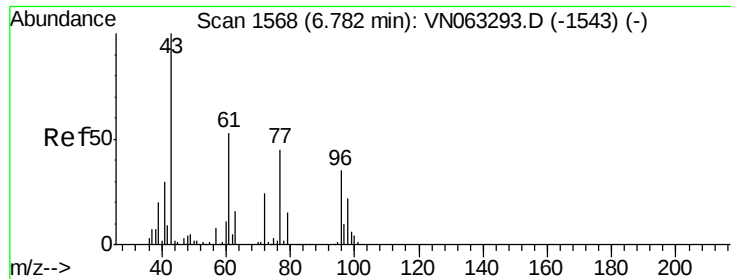
MMDadoda
9/15/2020 1:59:01 PM



#26
2,2-Dichloropropane
Concen: 17.688 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion: 77 Resp: 171068
Ion Ratio Lower Upper
77 100
97 21.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 17.936 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063335.D

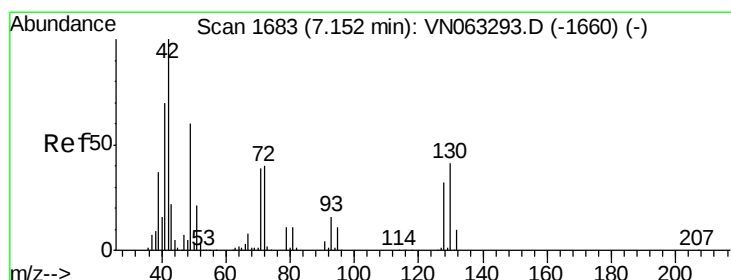
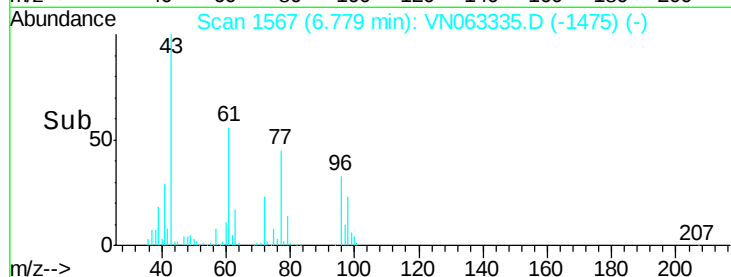
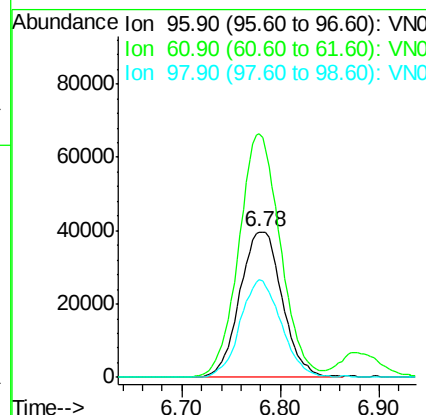
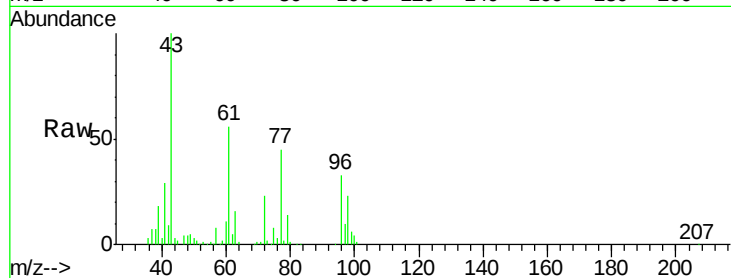
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.4	0.0	322.8	
98	65.0	0.0	132.2	

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM



#28

Bromochloromethane

Concen: 18.971 ug/l

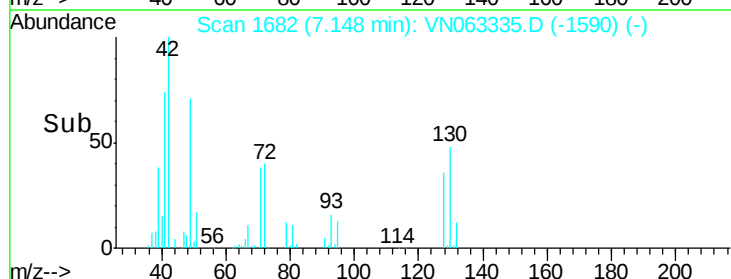
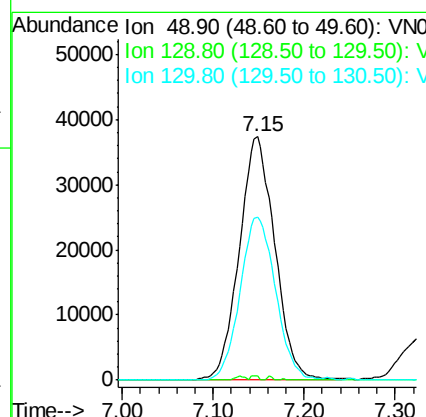
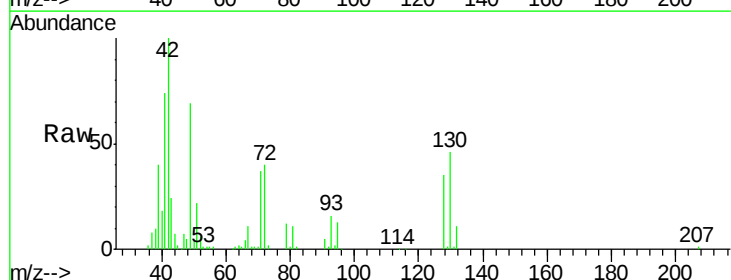
RT: 7.15 min Scan# 1682

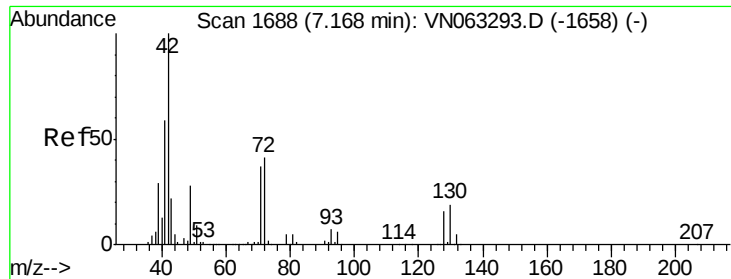
Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.4	0.0	3.4	
130	66.8	53.1	79.7	





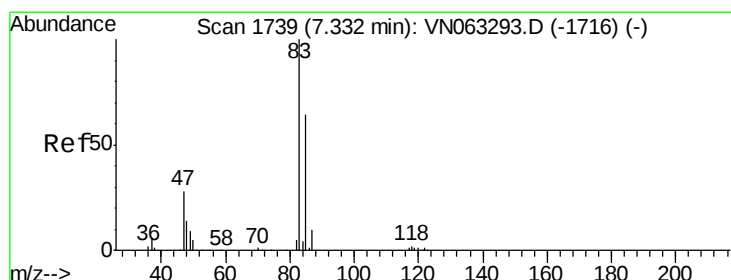
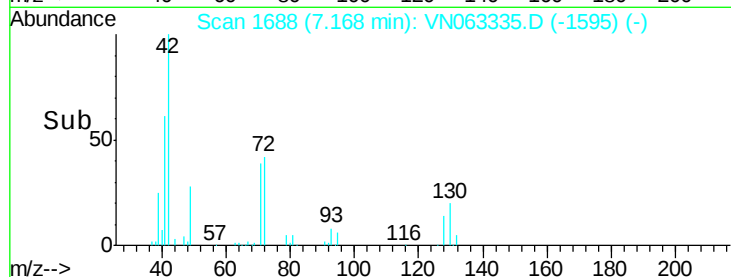
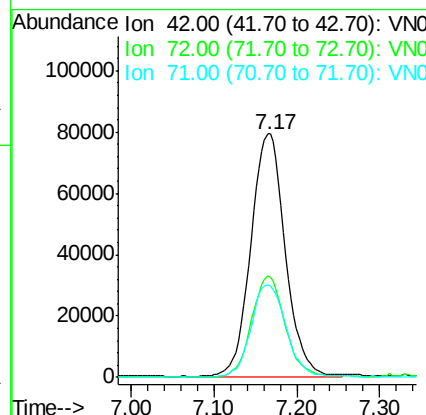
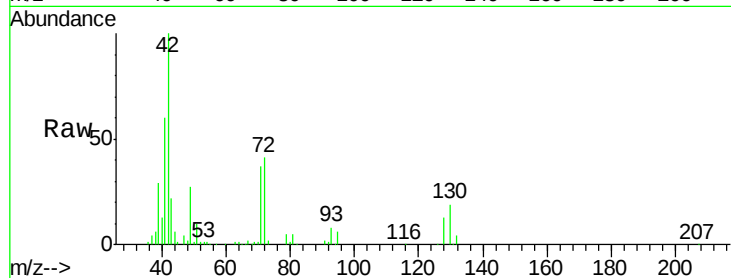
#29
Tetrahydrofuran
Concen: 95.058 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	31.4	47.2
71	38.9	30.0	45.0

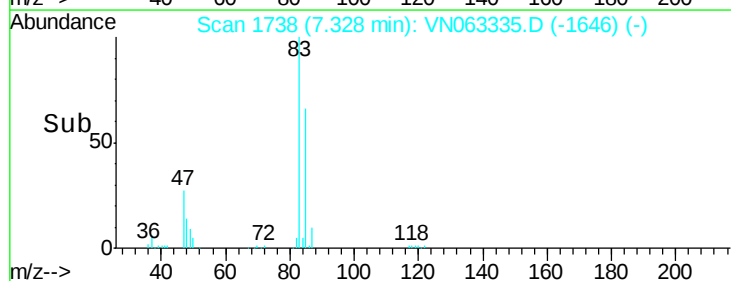
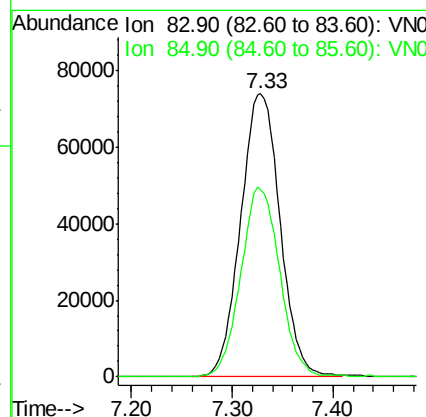
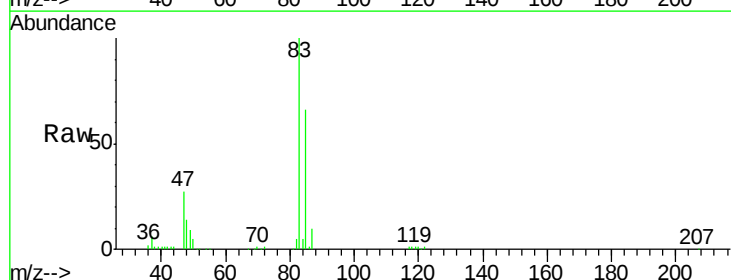
Manual Integrations
APPROVED

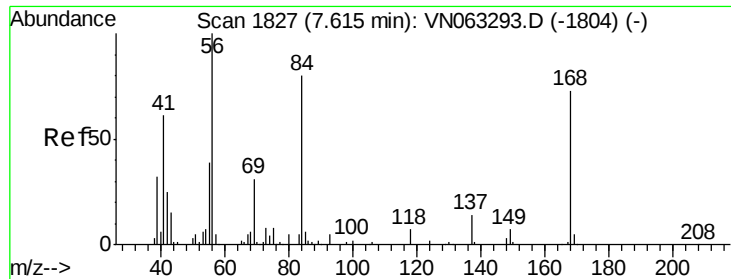
MMDadoda
9/15/2020 1:59:01 PM



#30
Chloroform
Concen: 18.165 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.2	76.8





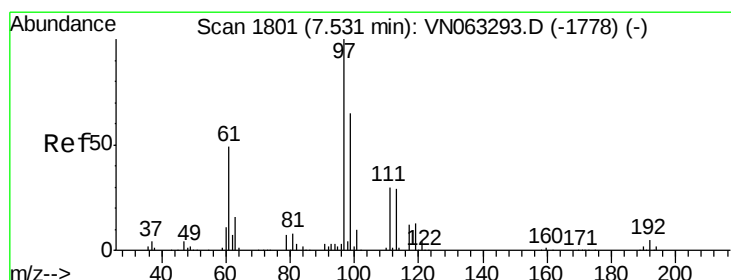
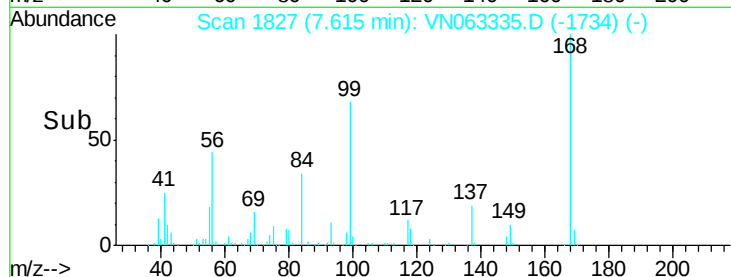
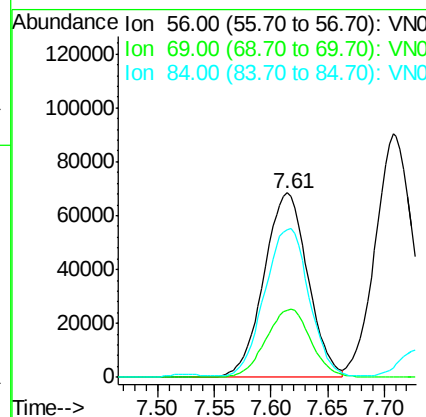
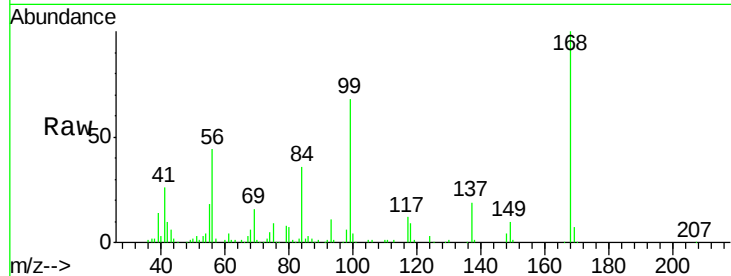
#31
Cyclohexane
Concen: 18.153 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.1	37.7
84	78.6	64.2	96.2

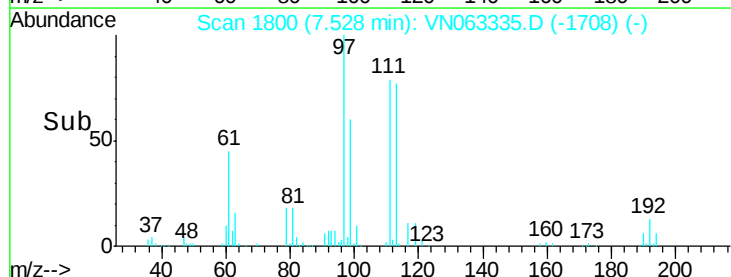
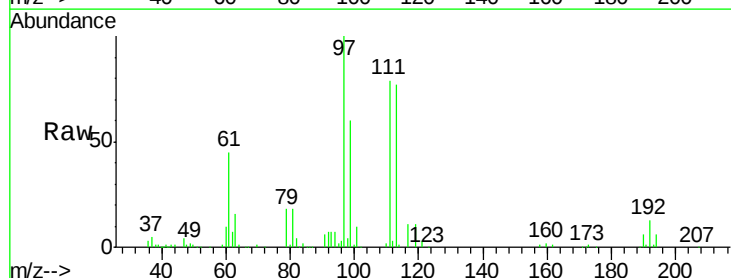
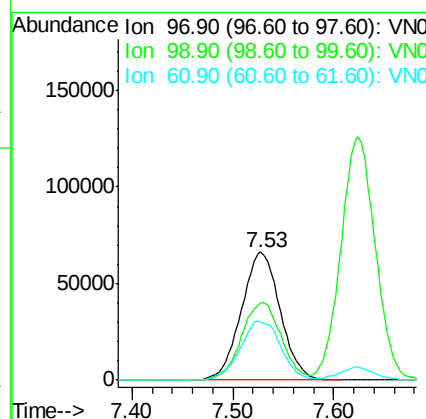
Manual Integrations
APPROVED

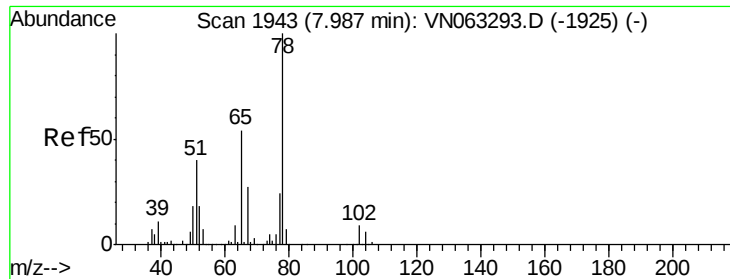
MMDadoda
9/15/2020 1:59:01 PM



#32
1,1,1-Trichloroethane
Concen: 18.367 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.4	77.2
61	48.2	38.9	58.3





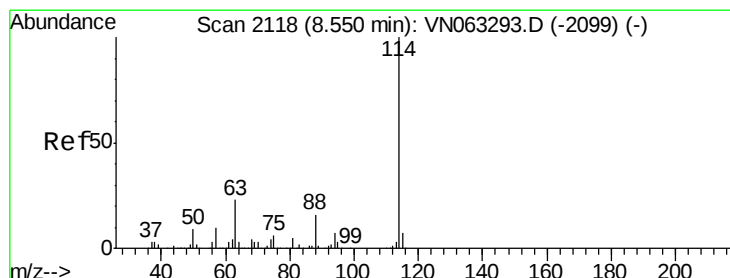
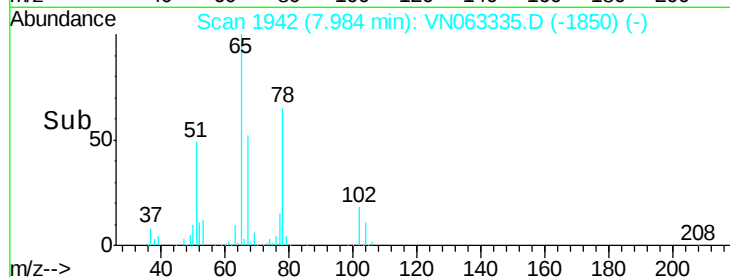
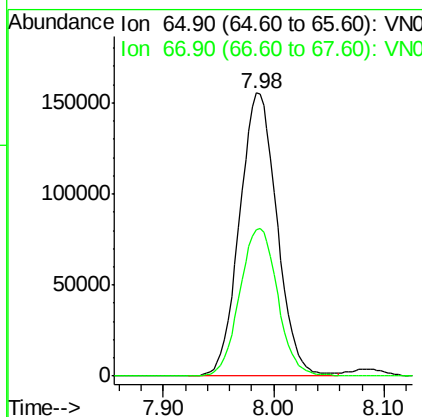
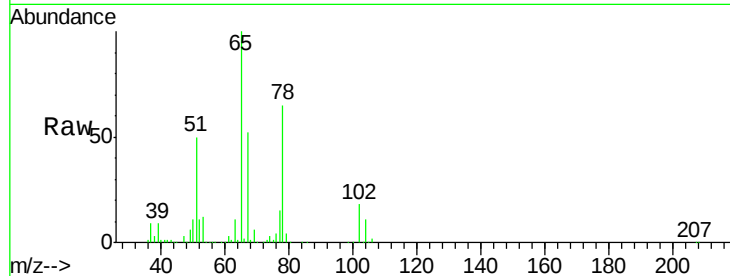
#33
 1,2-Dichloroethane-d4
 Concen: 50.578 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	365736		
67	52.5	0.0	104.6	

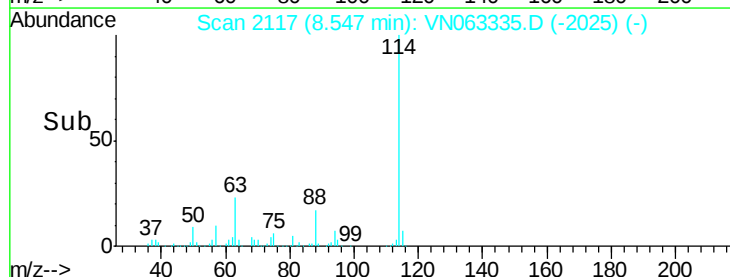
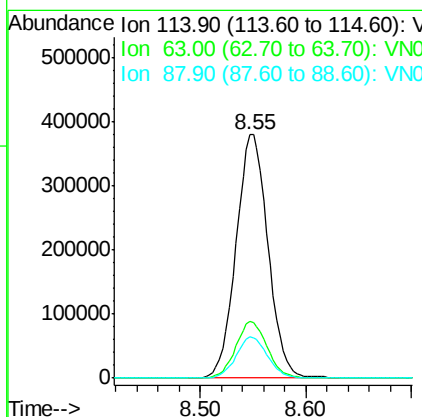
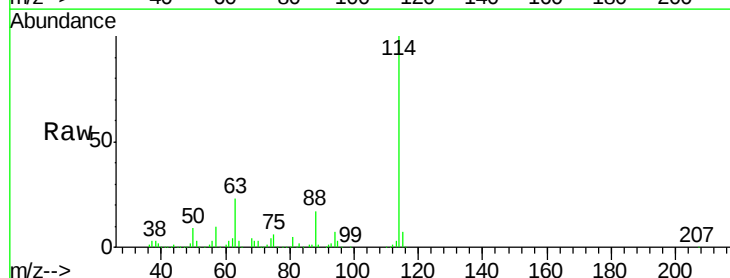
Manual Integrations
 APPROVED

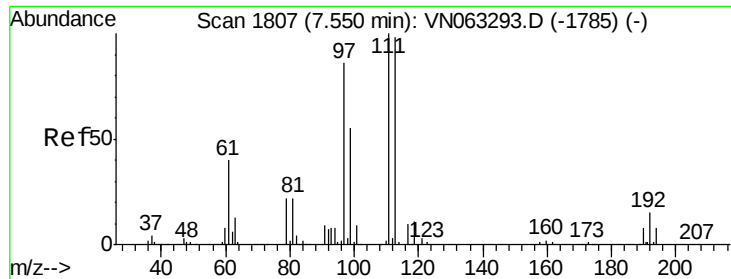
MMDadoda
 9/15/2020 1:59:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	795830		
63	23.1	0.0	46.0	
88	16.8	0.0	32.8	





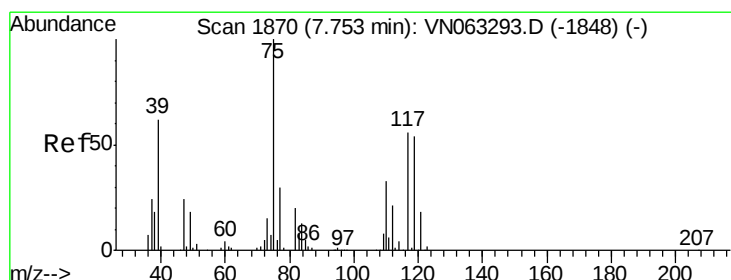
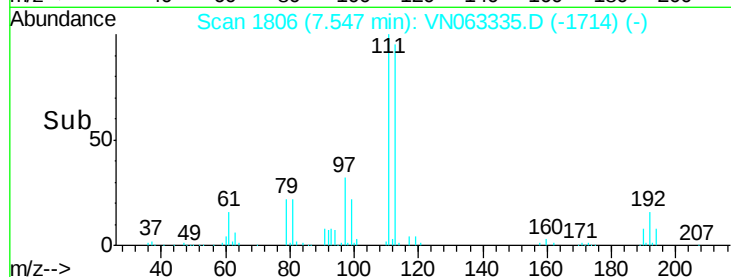
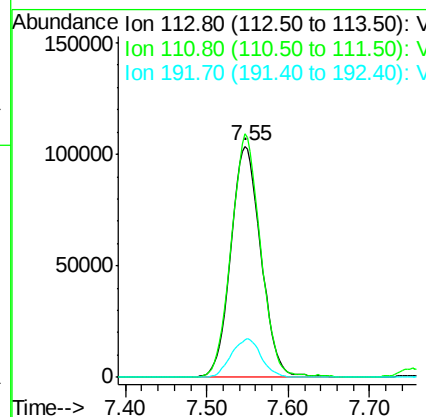
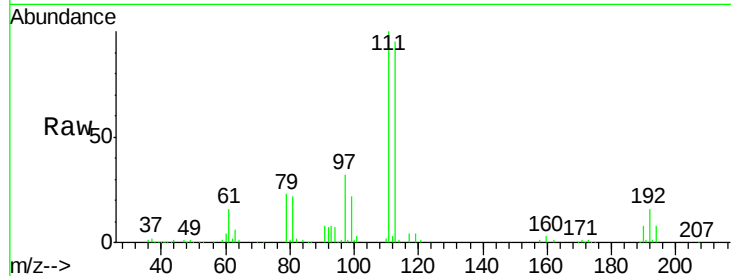
#35
Dibromofluoromethane
Concen: 52.351 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	268778		
111	102.2	82.2	123.2	
192	16.7	12.9	19.3	

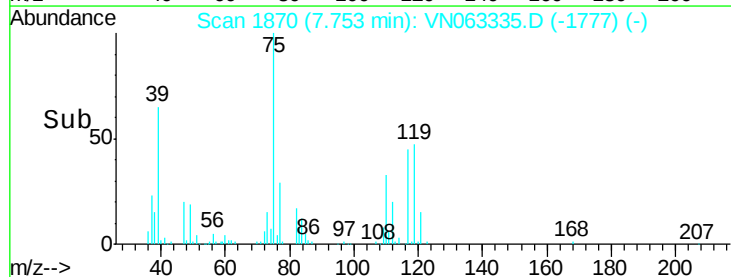
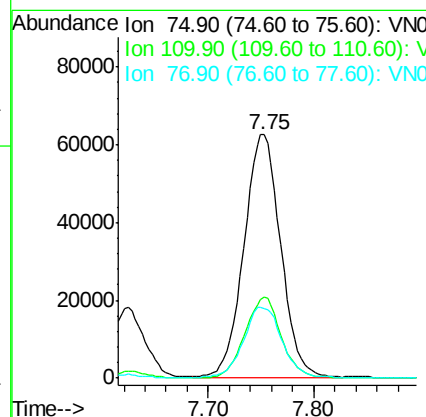
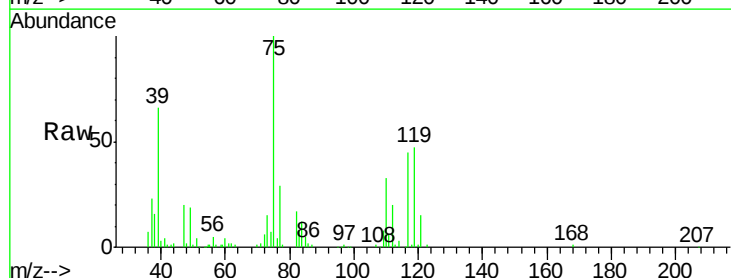
Manual Integrations
APPROVED

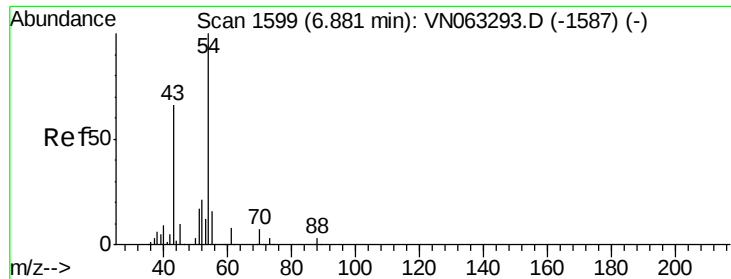
MMDadoda
9/15/2020 1:59:01 PM



#36
1,1-Dichloropropene
Concen: 18.506 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	151387		
110	32.9	16.4	49.4	
77	30.8	24.8	37.2	





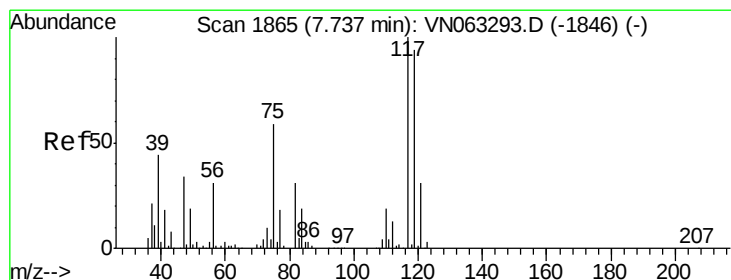
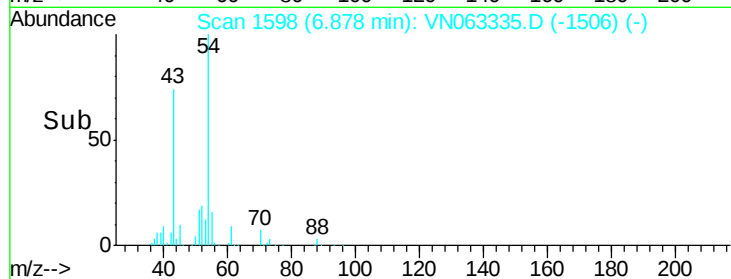
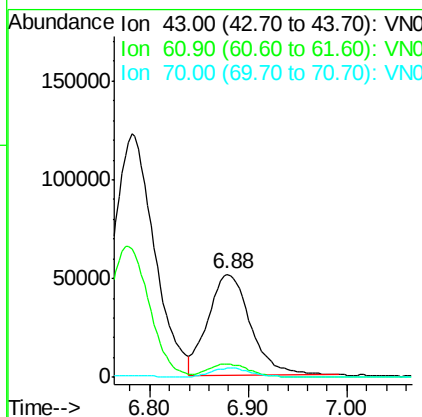
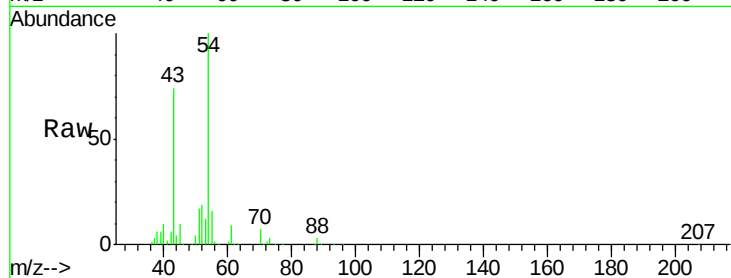
#37
Ethyl Acetate
Concen: 19.229 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.1	15.1
70	9.1	7.4	11.2

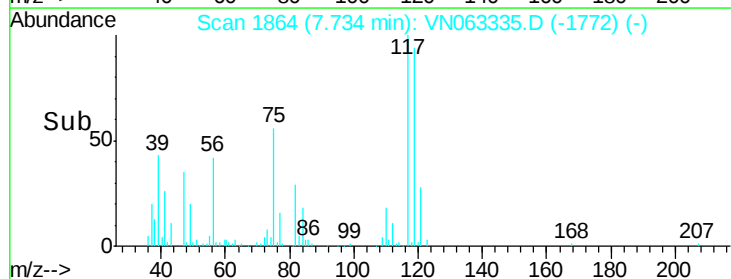
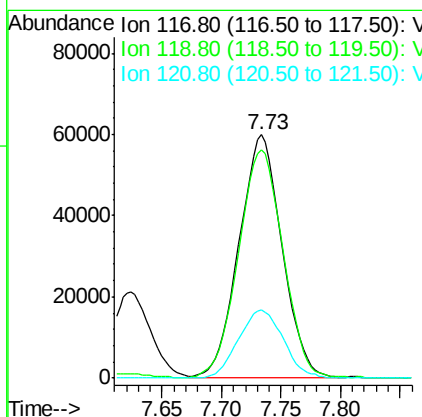
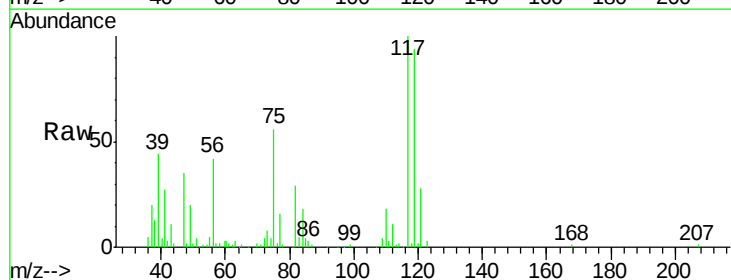
Manual Integrations
APPROVED

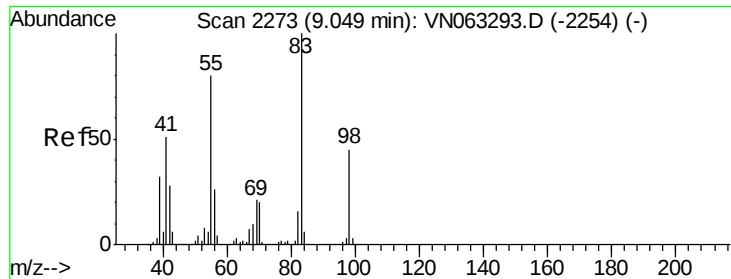
MMDadoda
9/15/2020 1:59:01 PM



#38
Carbon Tetrachloride
Concen: 18.502 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	27.9	24.6	37.0





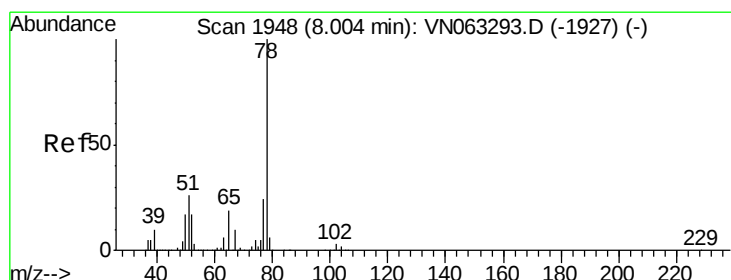
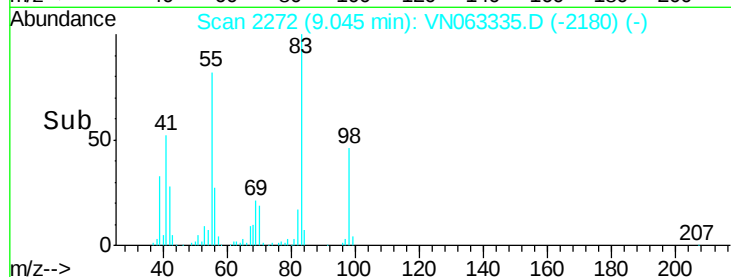
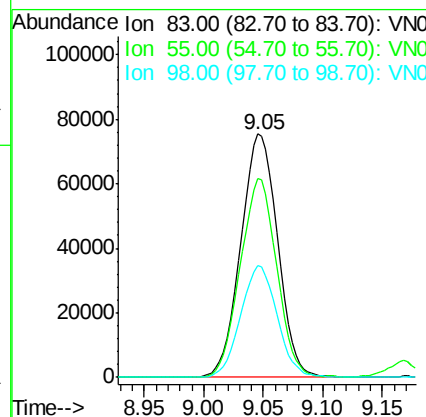
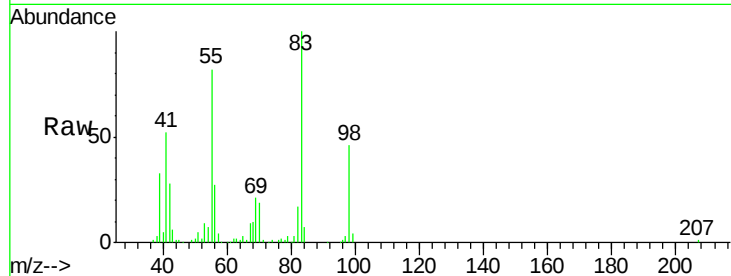
#39
Methvlcvclohexane
Concen: 18.151 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	64.0	96.0
98	45.9	36.4	54.6

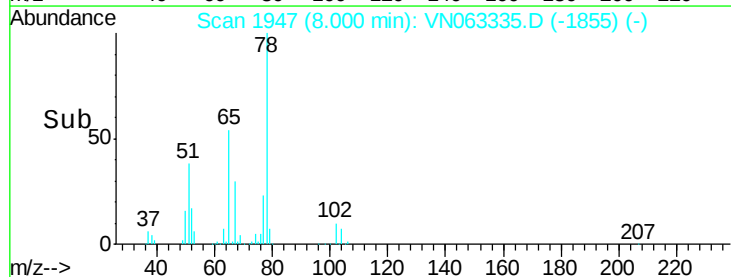
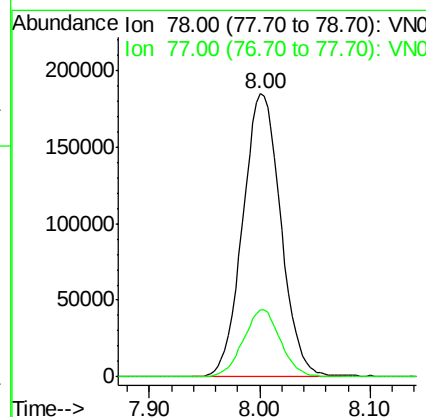
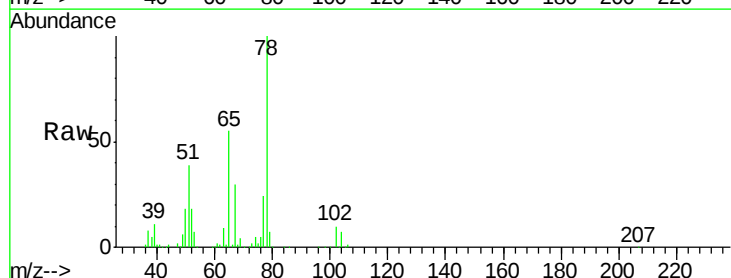
Manual Integrations
APPROVED

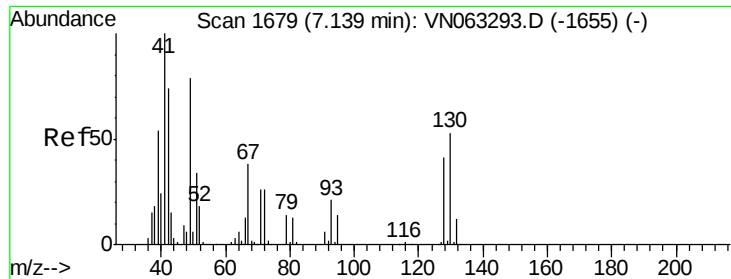
MMDadoda
9/15/2020 1:59:01 PM



#40
Benzene
Concen: 18.882 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





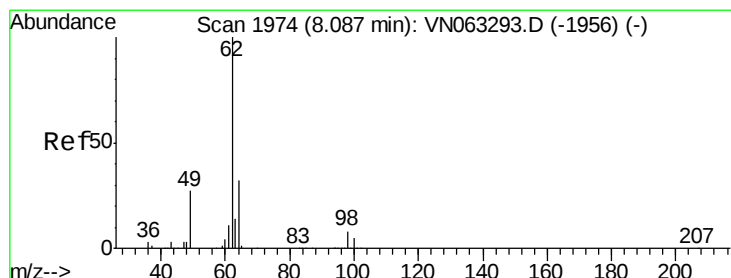
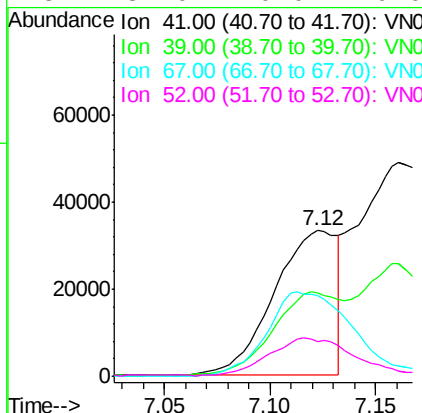
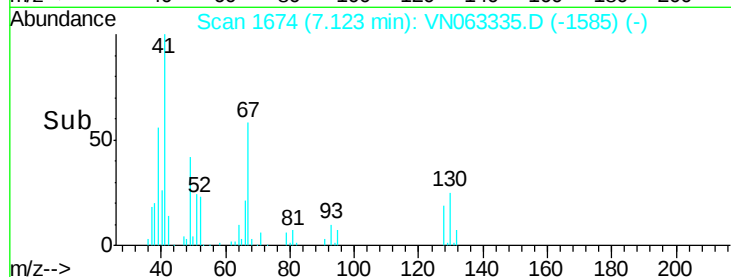
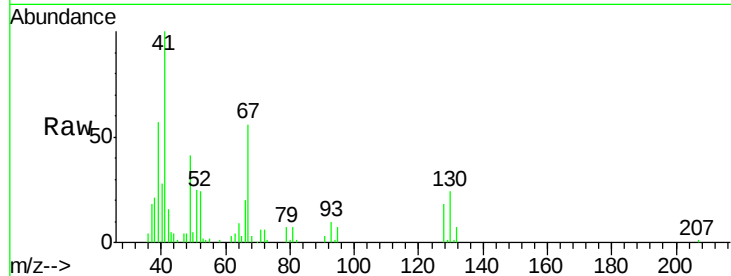
#41
Methacrylonitrile
Concen: 18.935 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.02 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	41	Resp	68929
Ion Ratio	Lower	Upper	
41	100		
39	63.9	0.0	0.0#
67	81.0	0.0	0.0#
52	37.0	0.0	0.0#

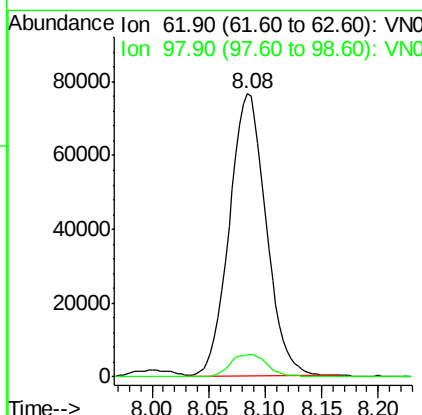
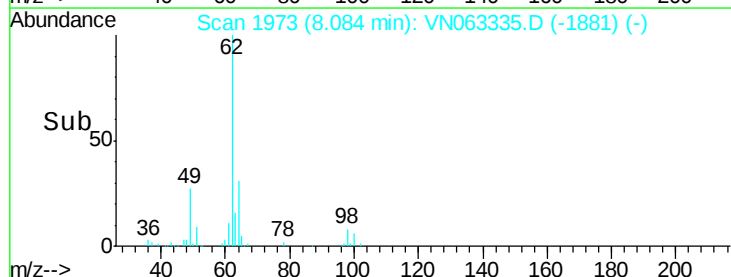
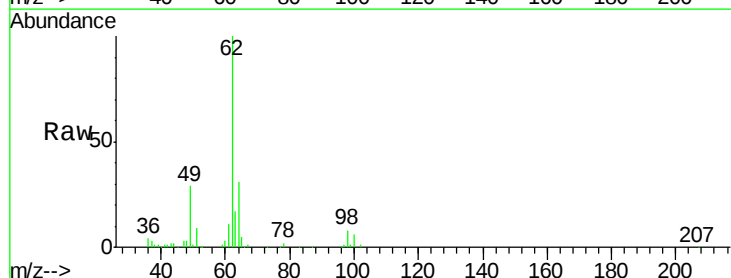
Manual Integrations
APPROVED

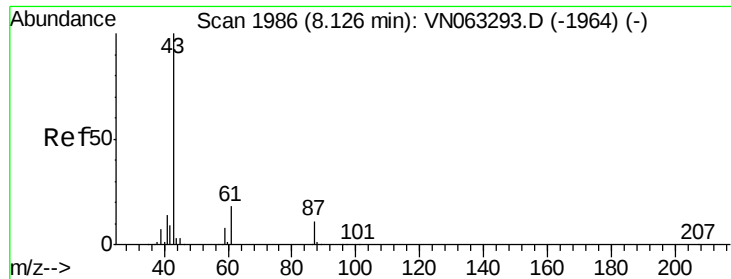
MMDadoda
9/15/2020 1:59:01 PM



#42
1,2-Dichloroethane
Concen: 19.572 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	62	Resp	173499
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	15.4





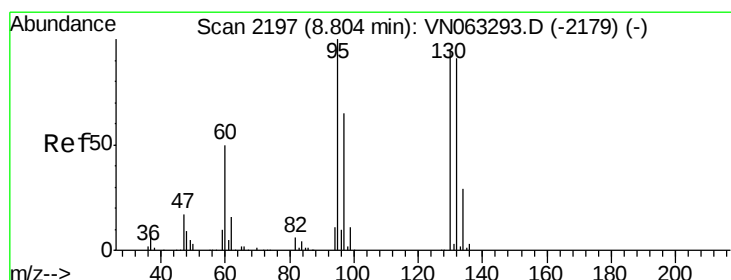
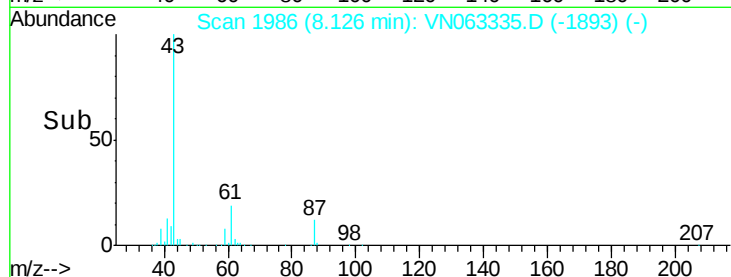
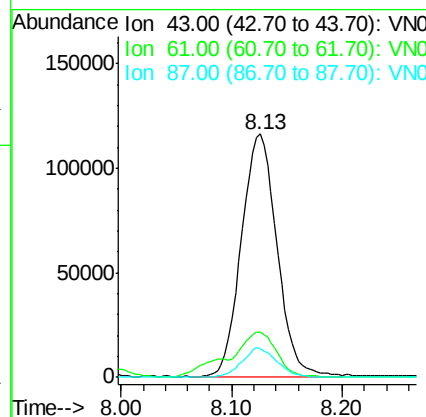
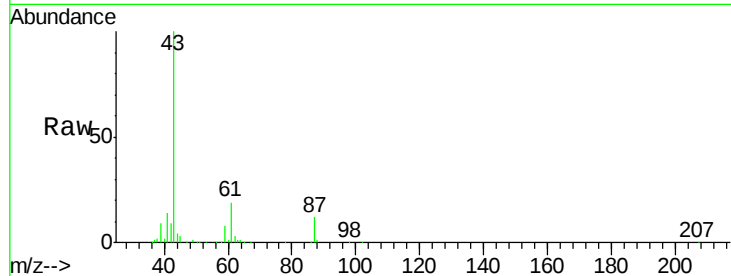
#43
Isopropyl Acetate
Concen: 19.019 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	259213		
61	18.7		15.1	22.7
87	11.9		9.2	13.8

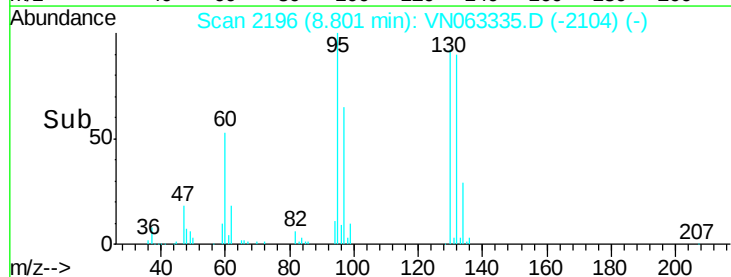
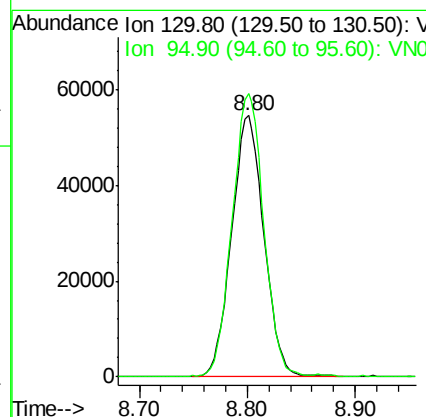
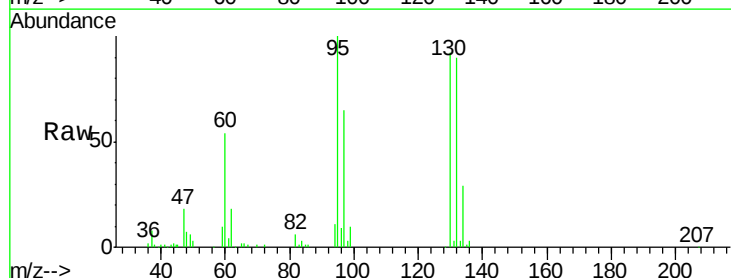
Manual Integrations
APPROVED

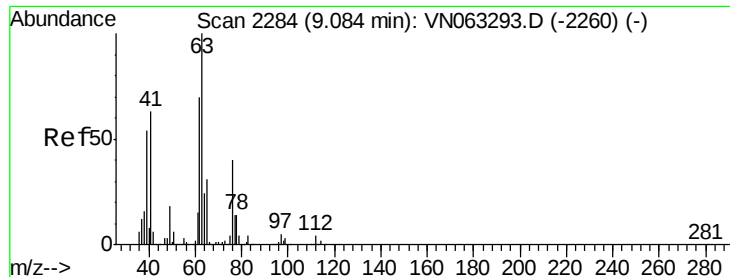
MMDadoda
9/15/2020 1:59:01 PM



#44
Trichloroethene
Concen: 18.669 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	114068		
95	108.3		0.0	210.8





#45

1,2-Dichloropropane

Concen: 19.218 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion: 63 Resp: 123165

Ion Ratio Lower Upper

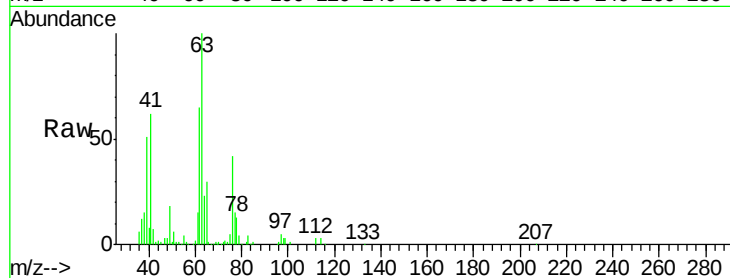
63 100

65 29.5 24.6 36.8

Manual Integrations
APPROVED

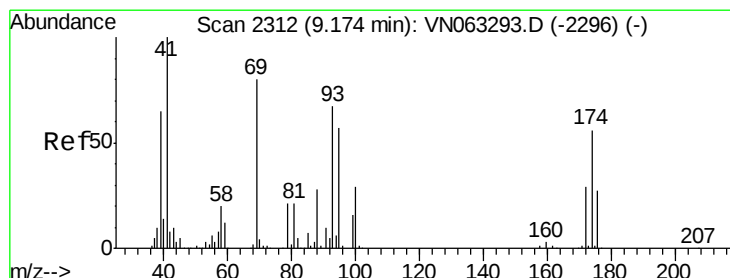
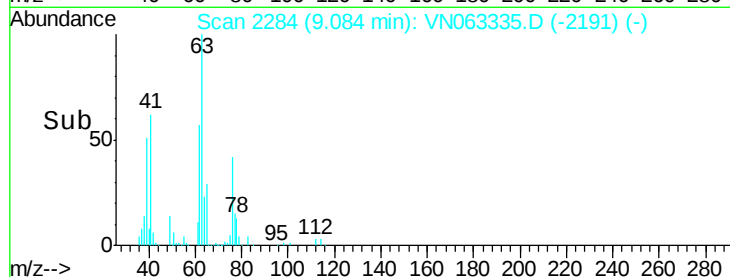
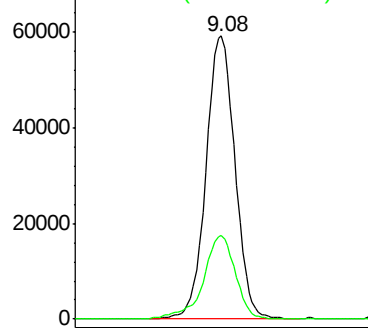
MMDadoda

9/15/2020 1:59:01 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.352 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

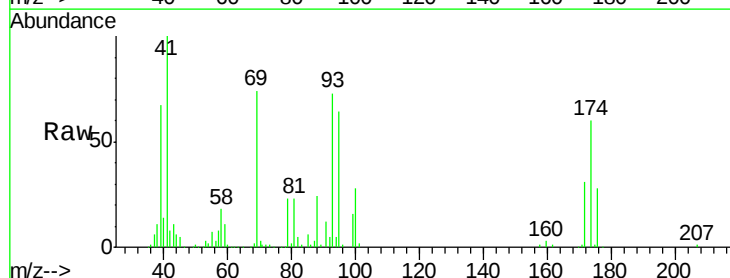
Tgt Ion: 93 Resp: 80422

Ion Ratio Lower Upper

93 100

95 86.2 67.9 101.9

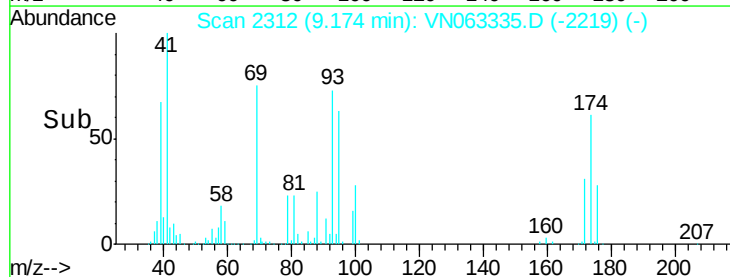
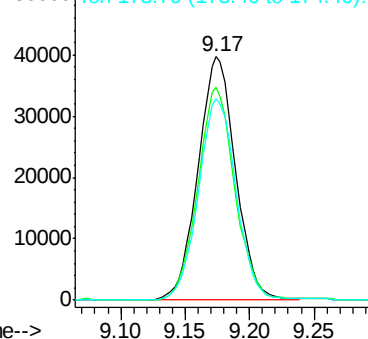
174 82.8 66.9 100.3

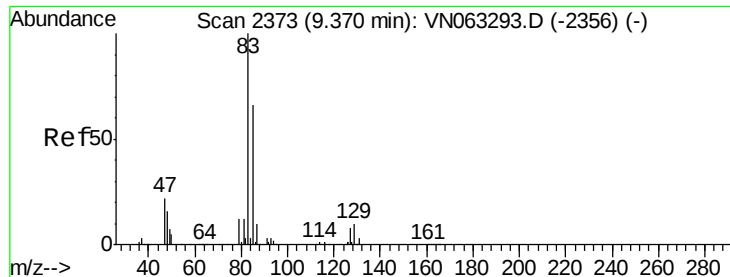


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.923 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

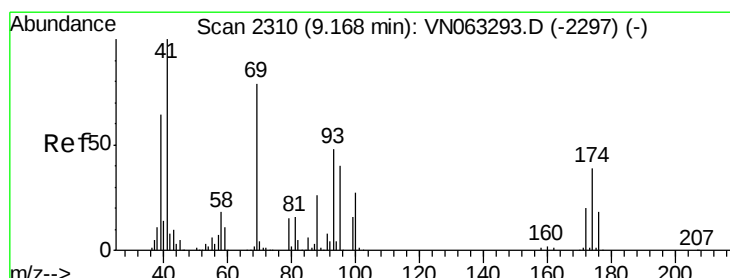
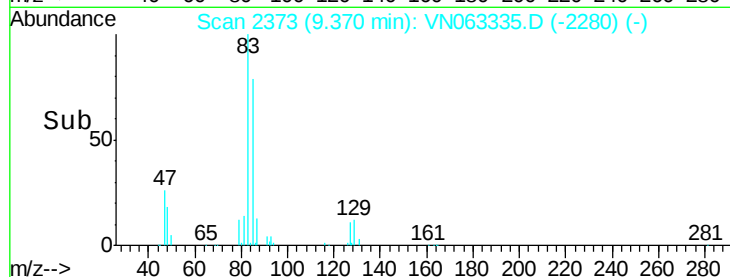
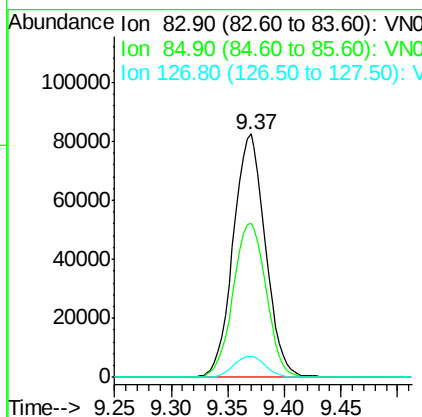
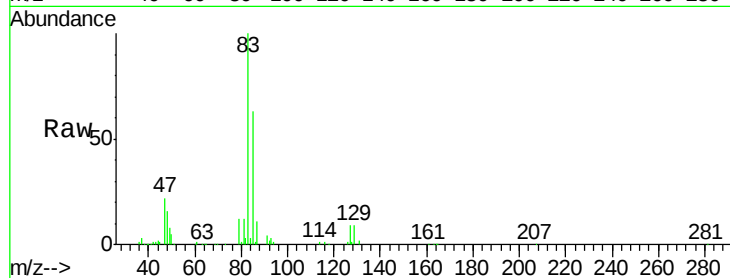
ClientSampleId :

VN0914MBS01

Tot Ion:	83	Resp:	163887
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM



#48

Methyl methacrylate

Concen: 19.350 ug/l

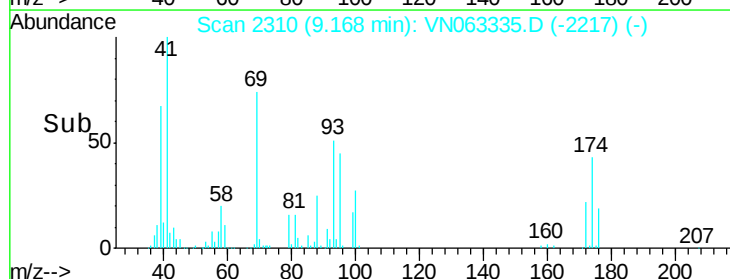
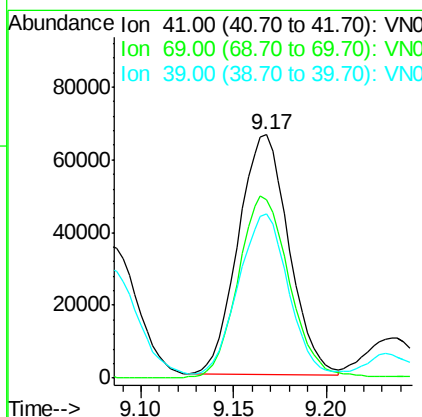
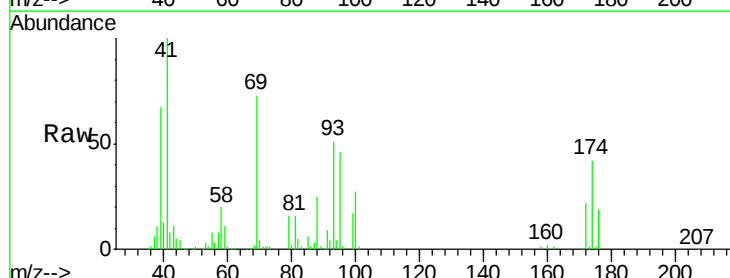
RT: 9.17 min Scan# 2310

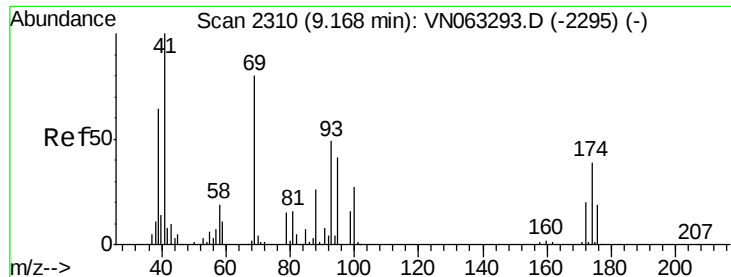
Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Tgt Ion:	41	Resp:	125833
Ion	Ratio	Lower	Upper
41	100		
69	76.9	63.6	95.4
39	67.6	53.2	79.8





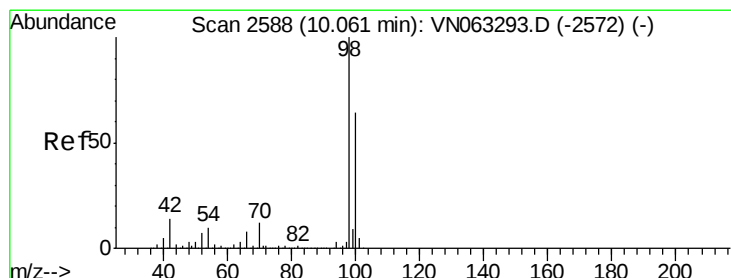
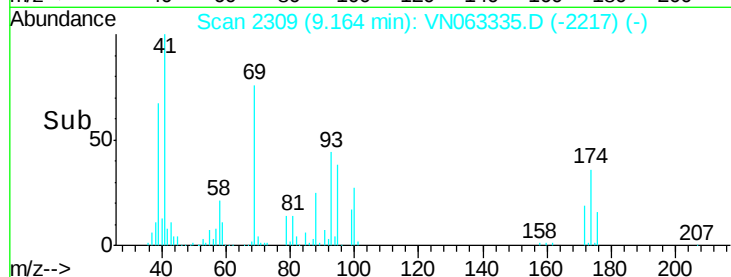
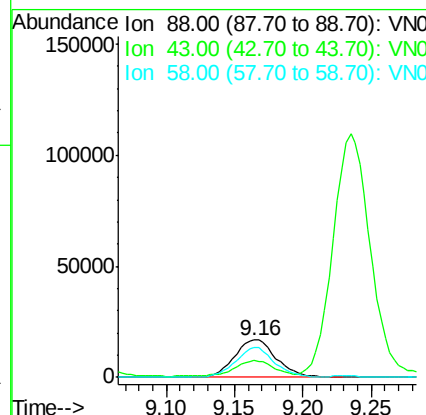
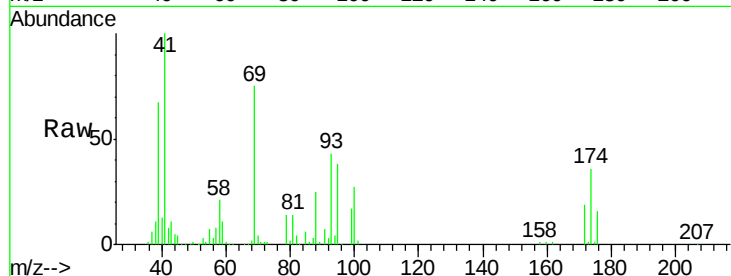
#49
 1,4-Dioxane
 Concen: 359.374 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.5	45.7
58	73.2	58.9	88.3

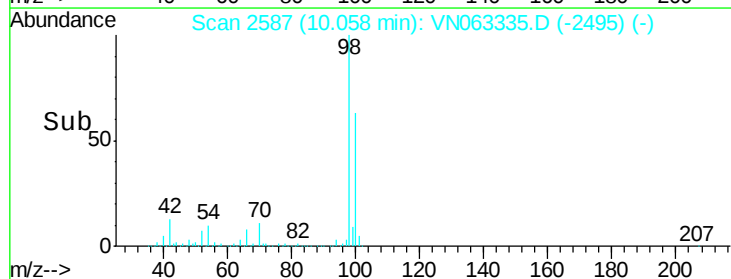
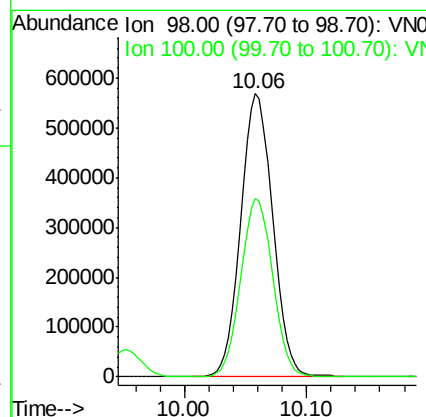
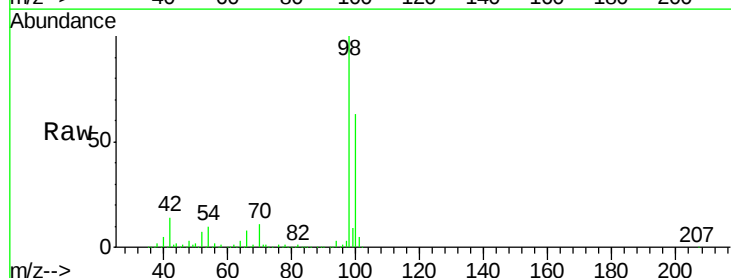
Manual Integrations
 APPROVED

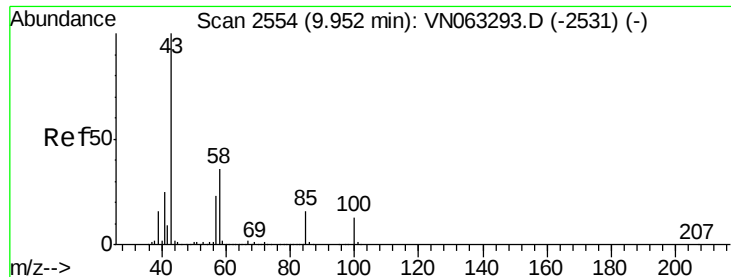
MMDadoda
 9/15/2020 1:59:01 PM



#50
 Toluene-d8
 Concen: 52.457 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 102.506 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion: 43 Resp: 769909

Ion Ratio Lower Upper

43 100

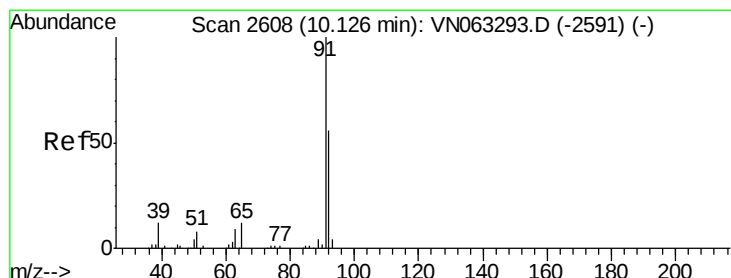
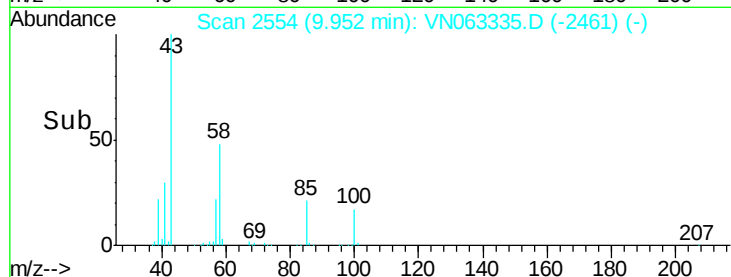
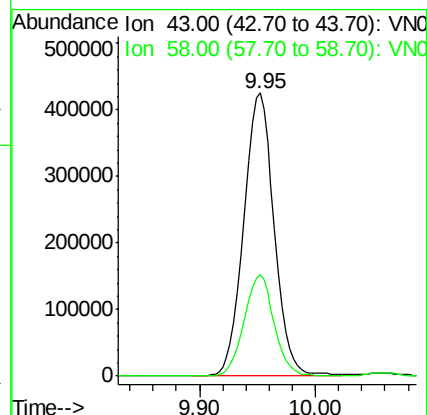
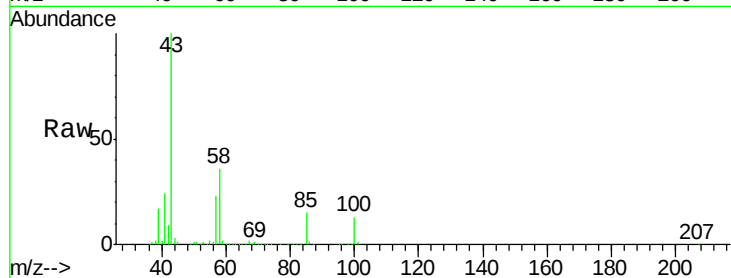
58 35.4 29.0 43.4

Manual Integrations

APPROVED

MMDadoda

9/15/2020 1:59:01 PM



#52

Toluene

Concen: 19.198 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063335.D

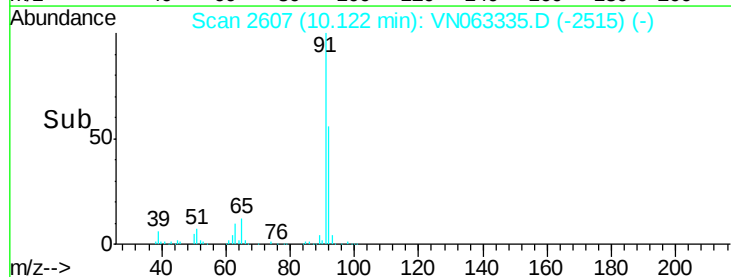
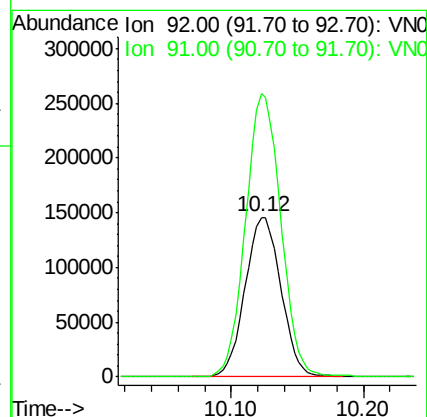
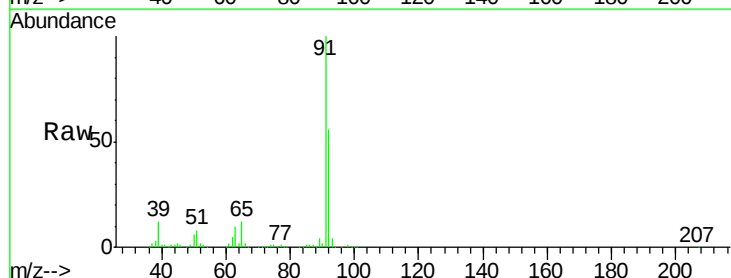
Acq: 14 Sep 2020 12:08

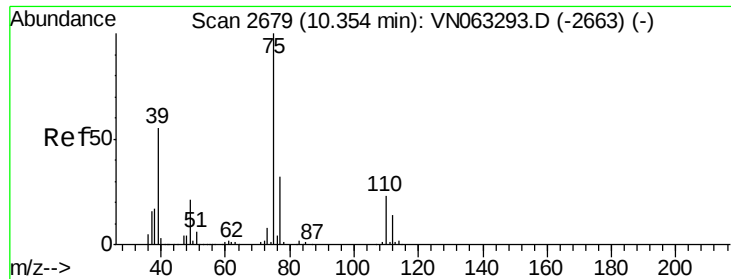
Tgt Ion: 92 Resp: 273866

Ion Ratio Lower Upper

92 100

91 175.0 141.2 211.8





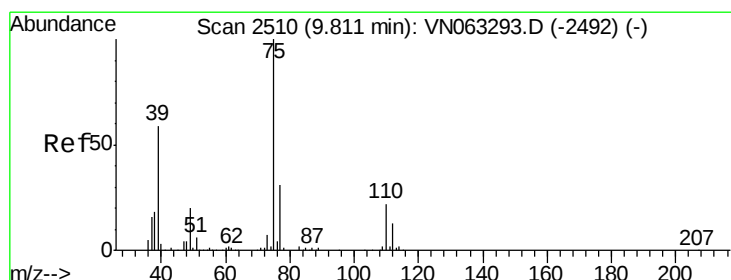
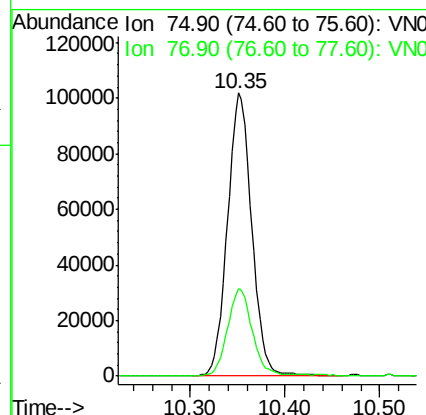
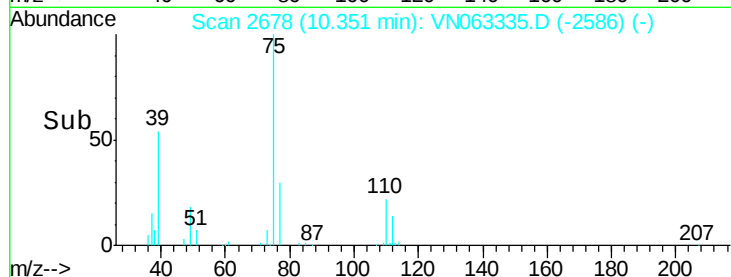
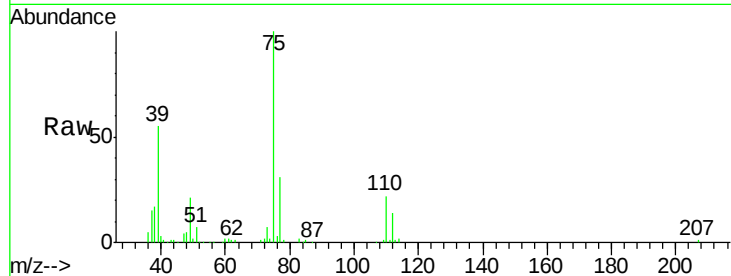
#53
t-1,3-Dichloropropene
Concen: 19.225 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0914MBS01

Tot Ion: 75 Resp: 181566
Ion Ratio Lower Upper
75 100
77 30.7 25.7 38.5

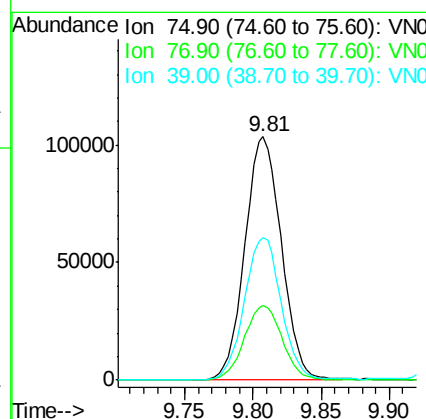
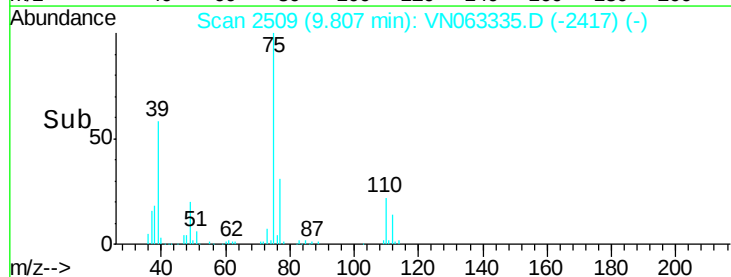
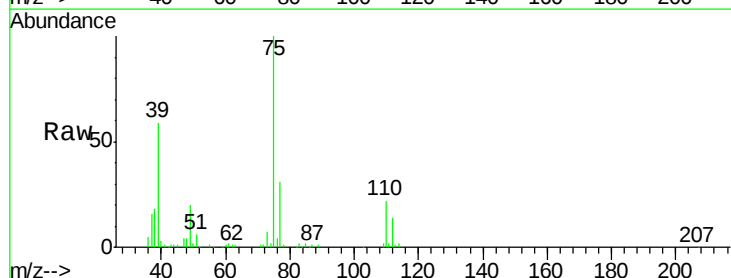
Manual Integrations
APPROVED

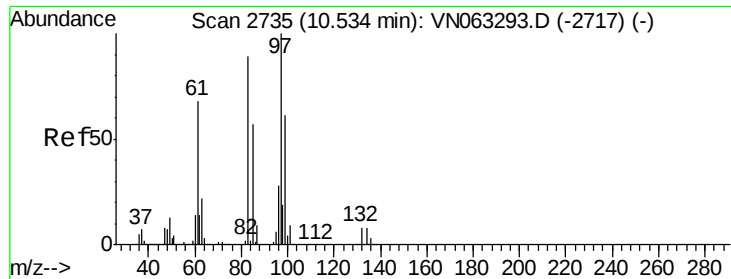
MMDadoda
9/15/2020 1:59:01 PM



#54
cis-1,3-Dichloropropene
Concen: 18.944 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion: 75 Resp: 192630
Ion Ratio Lower Upper
75 100
77 30.6 24.7 37.1
39 58.3 47.2 70.8





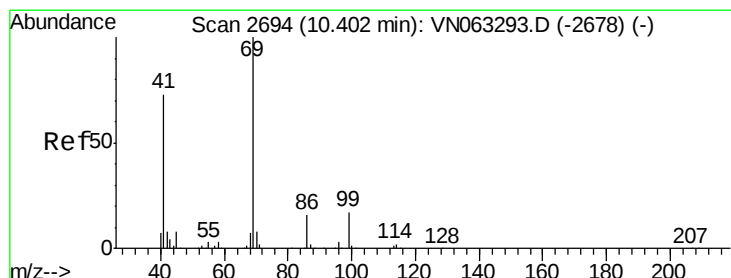
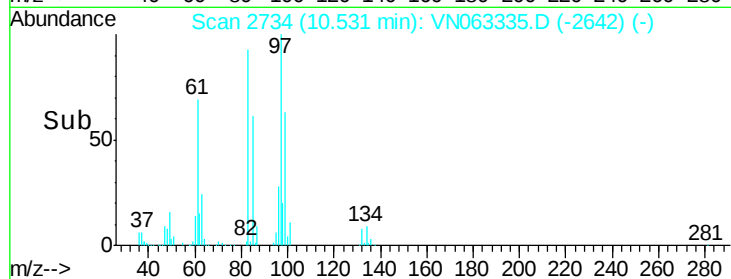
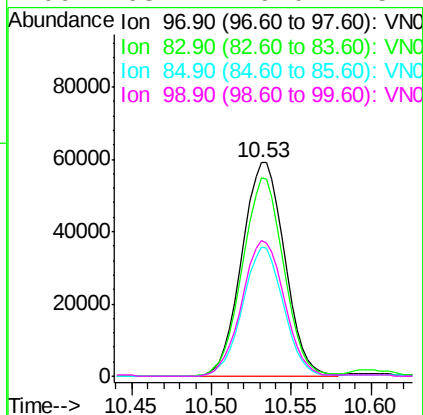
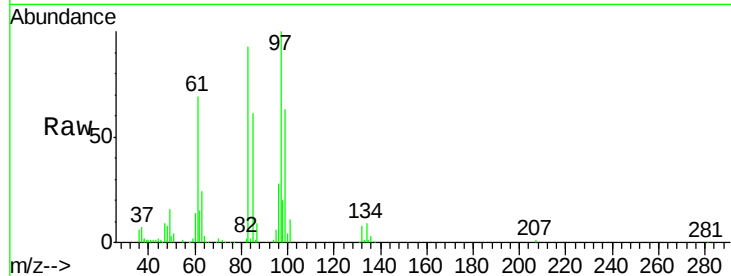
#55
 1,1,2-Trichloroethane
 Concen: 19.355 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108191		
83	92.8	70.8	106.2		
85	60.6	45.6	68.4		
99	63.4	49.0	73.4		

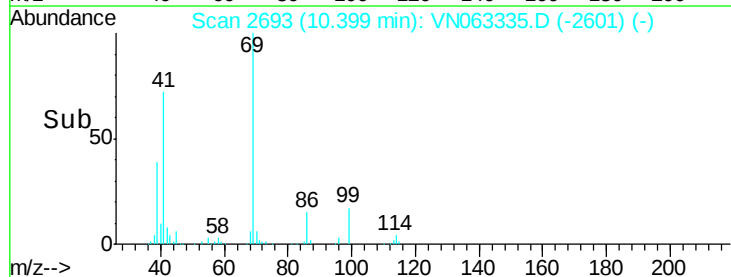
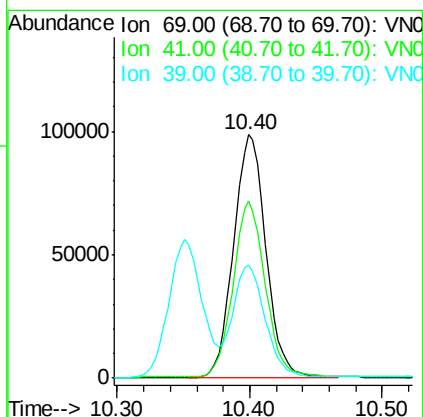
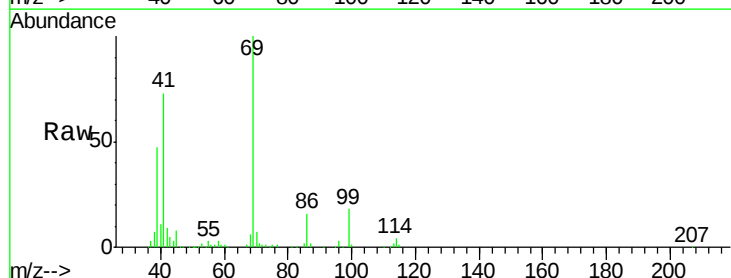
Manual Integrations
 APPROVED

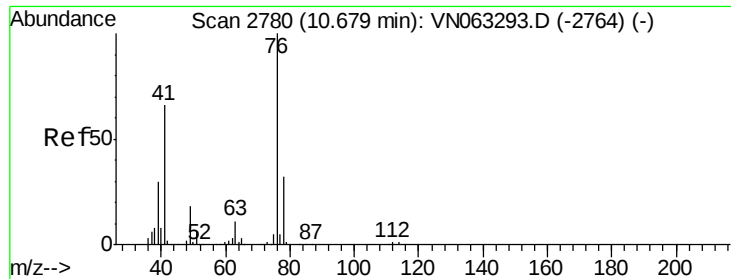
MMDadoda
 9/15/2020 1:59:01 PM



#56
 Ethyl methacrylate
 Concen: 19.755 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		167926		
41	71.1	58.4	87.6		
39	45.6	38.6	58.0		





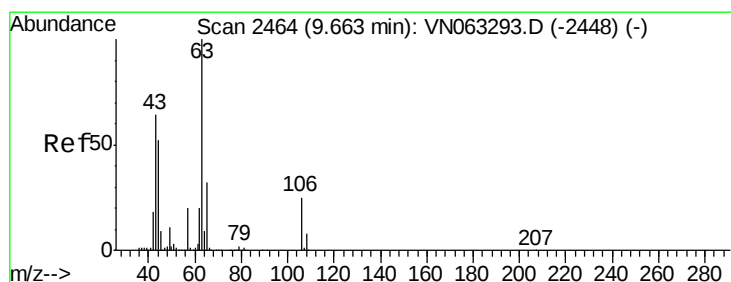
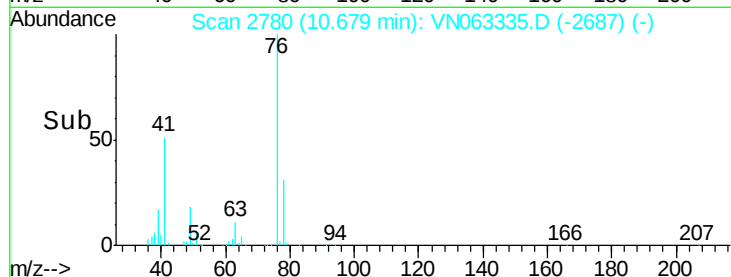
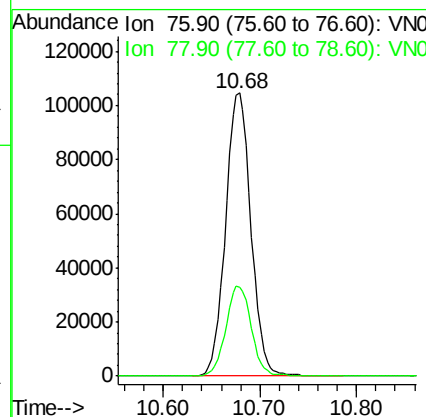
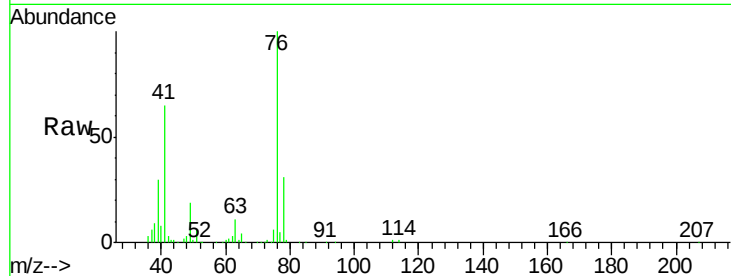
#57
 1,3-Dichloropropane
 Concen: 19.484 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

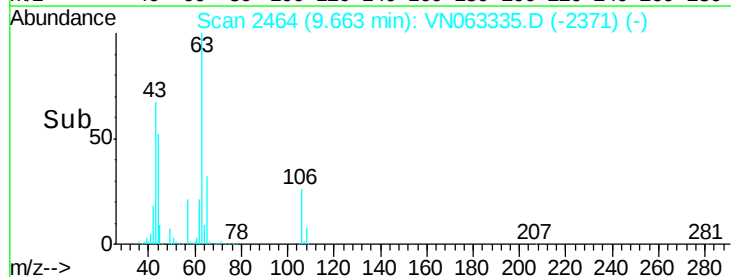
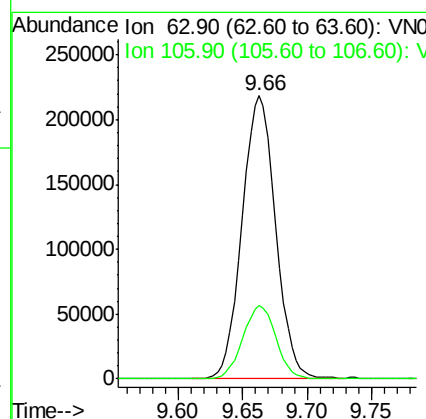
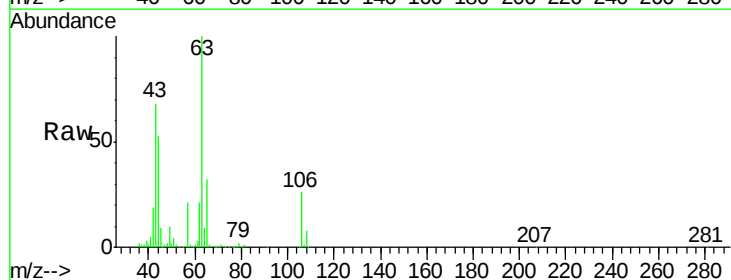
Manual Integrations
 APPROVED

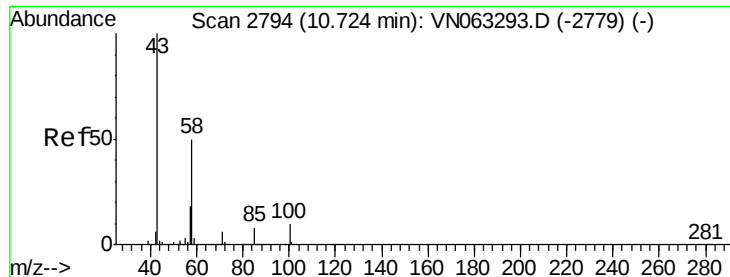
MMDadoda
 9/15/2020 1:59:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.705 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	20.2	30.4





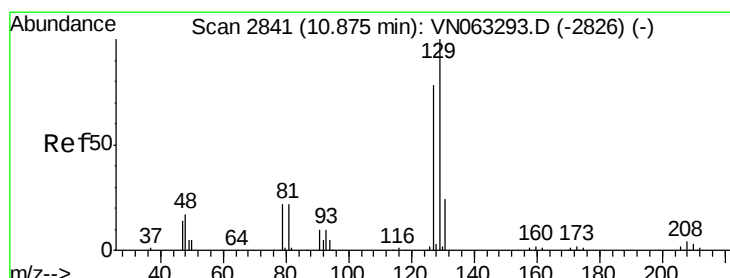
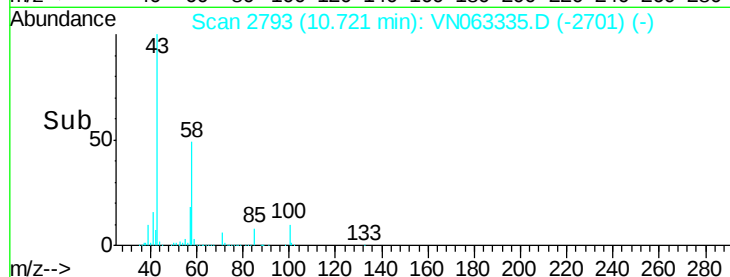
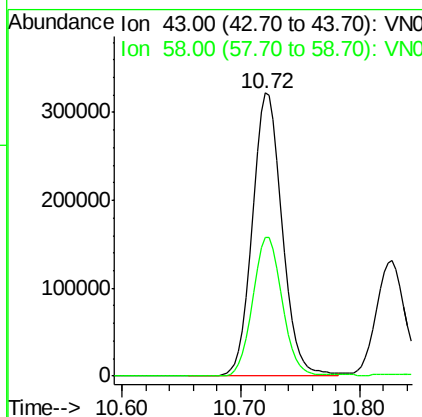
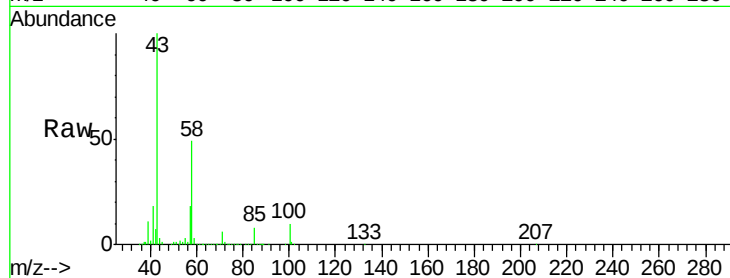
#59
2-Hexanone
Concen: 100.278 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	25.1	75.3

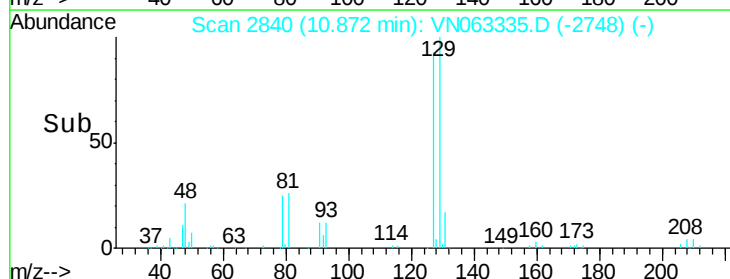
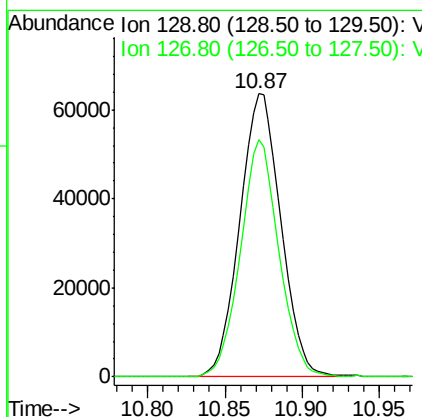
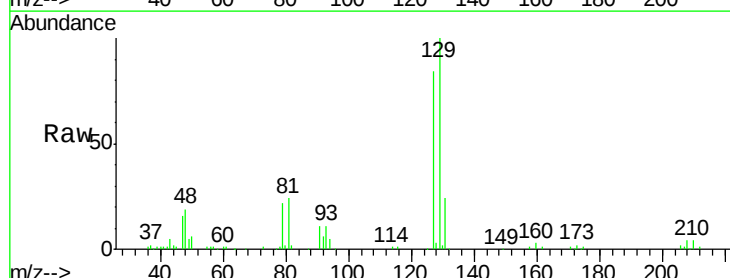
Manual Integrations
APPROVED

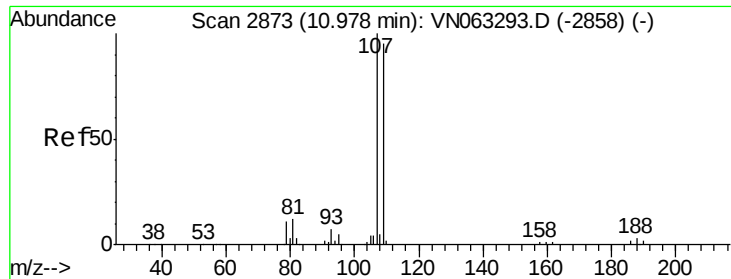
MMDadoda
9/15/2020 1:59:01 PM



#60
Dibromochloromethane
Concen: 19.150 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.0	117.0





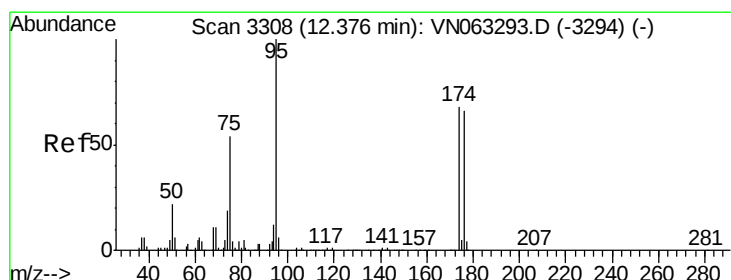
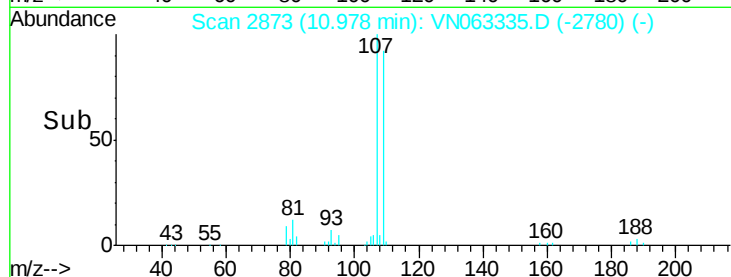
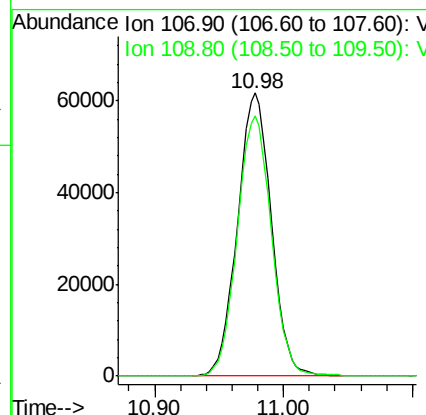
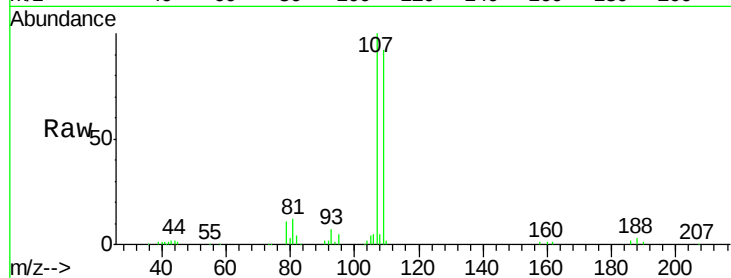
#61
 1,2-Dibromoethane
 Concen: 19.303 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.5	113.3

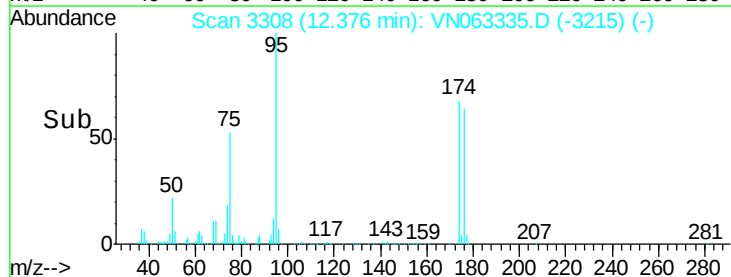
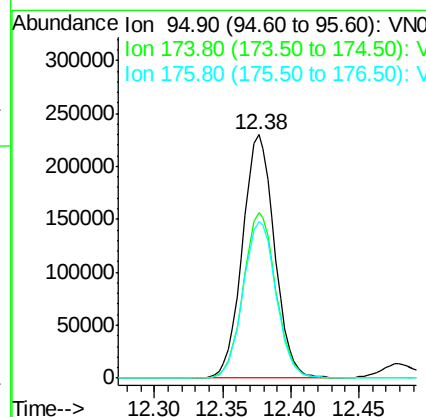
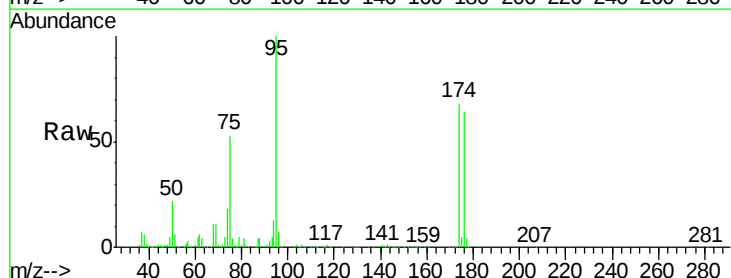
Manual Integrations
 APPROVED

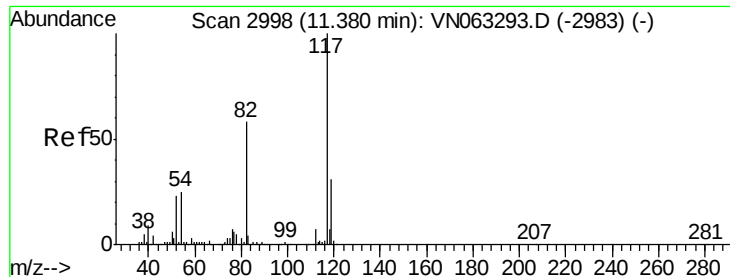
MMDadoda
 9/15/2020 1:59:01 PM



#62
 4-Bromofluorobenzene
 Concen: 51.670 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.1	0.0	136.6
176	66.2	0.0	132.8





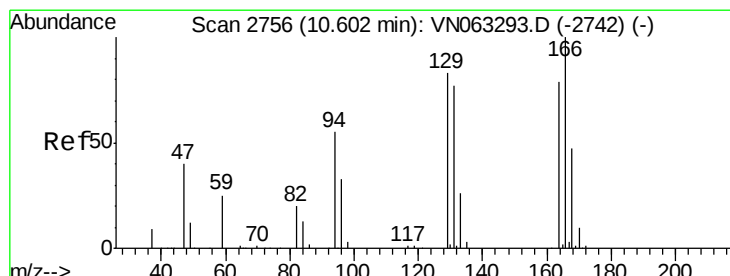
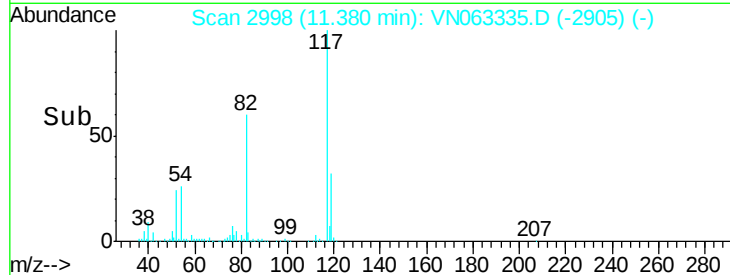
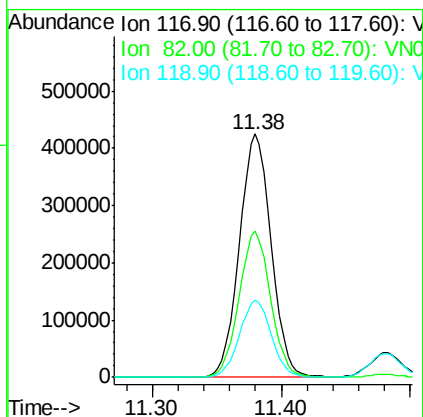
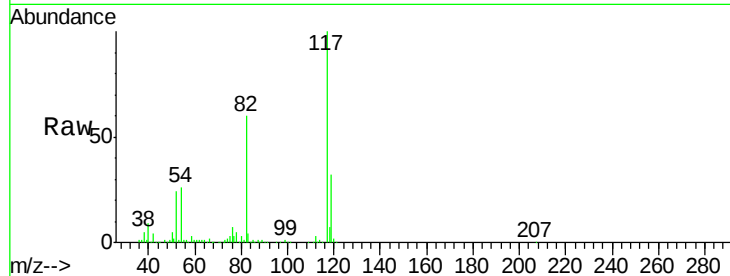
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	728480		
82	59.9		46.4	69.6
119	31.5		24.8	37.2

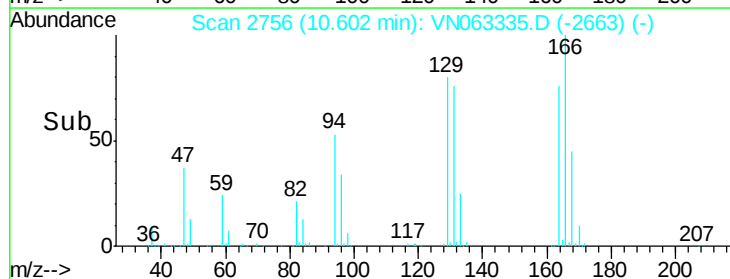
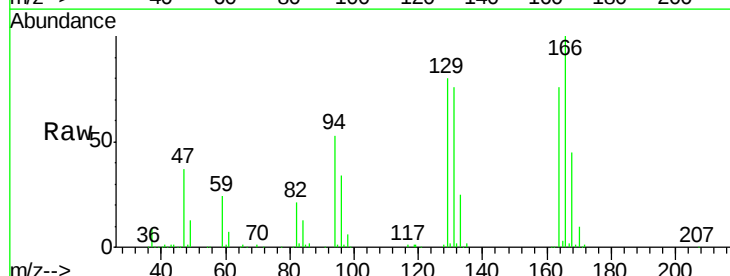
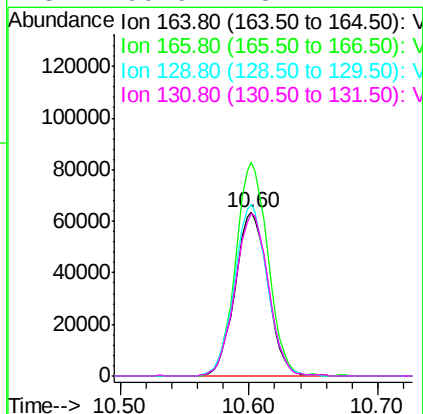
Manual Integrations
APPROVED

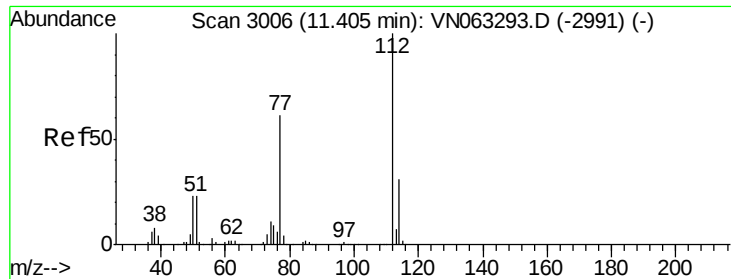
MMDadoda
9/15/2020 1:59:01 PM



#64
Tetrachloroethene
Concen: 18.832 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112386		
166	130.8		101.3	151.9
129	105.3		83.7	125.5
131	99.9		78.2	117.4





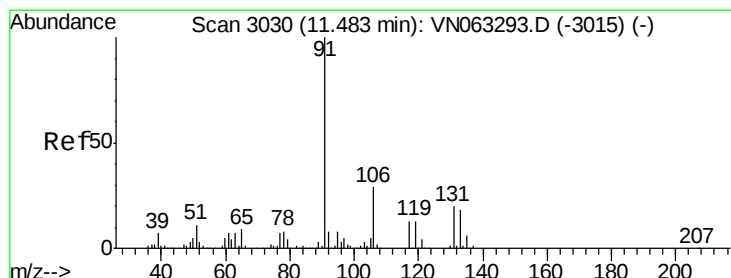
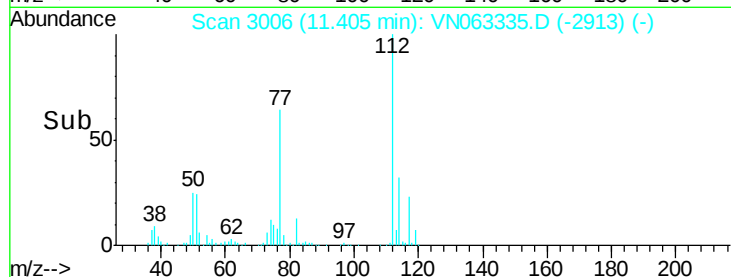
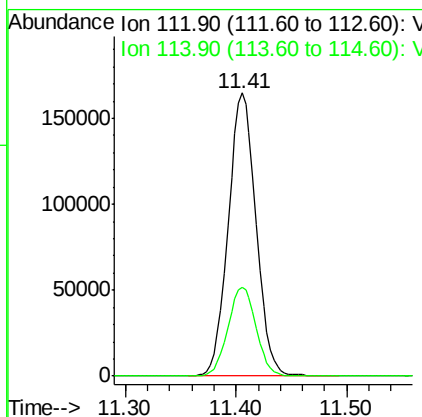
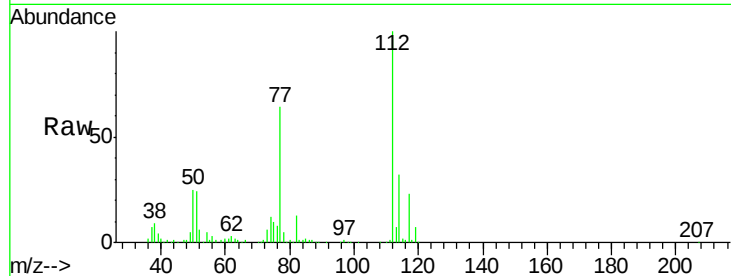
#65
Chlorobenzene
Concen: 18.314 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion:112 Resp: 287224
Ion Ratio Lower Upper
112 100
114 31.5 24.6 36.8

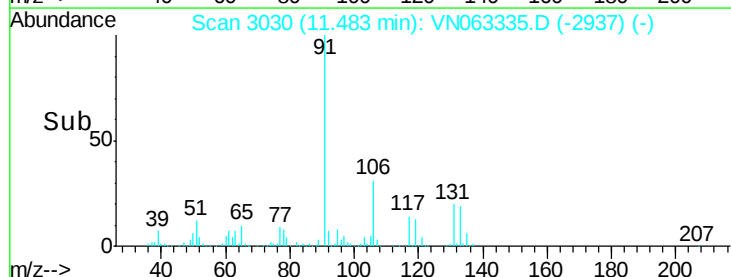
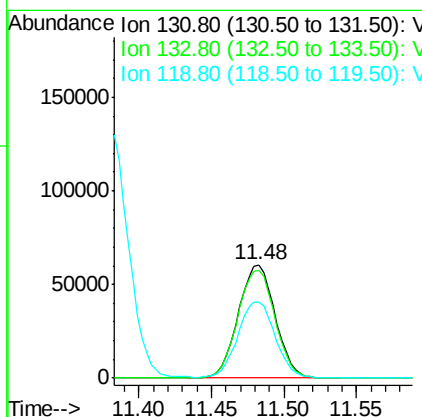
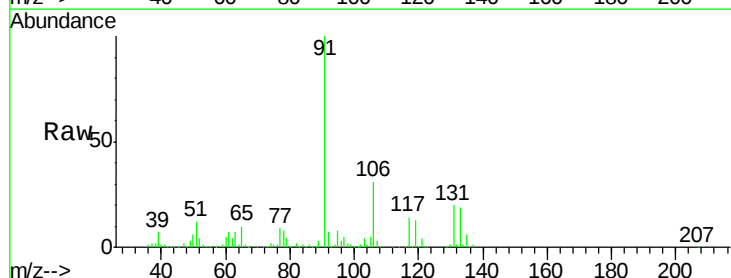
Manual Integrations
APPROVED

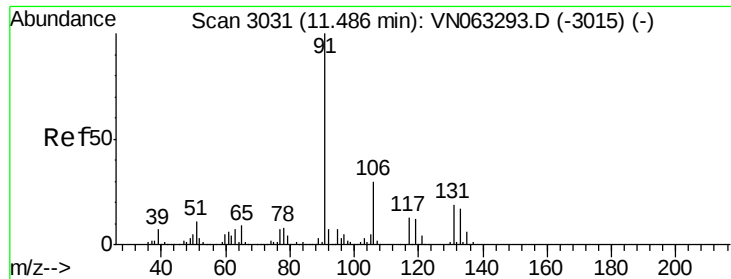
MMDadoda
9/15/2020 1:59:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.734 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion:131 Resp: 107044
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 68.5 33.8 101.3





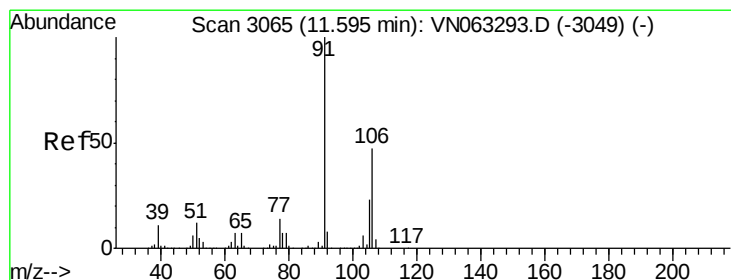
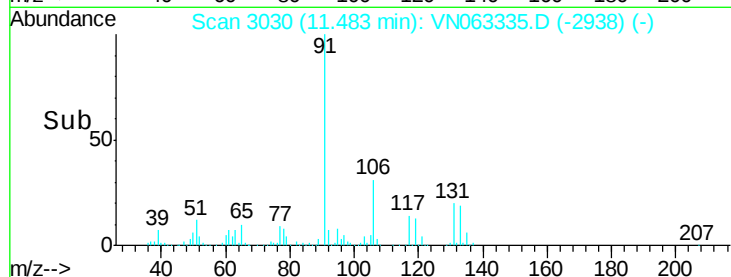
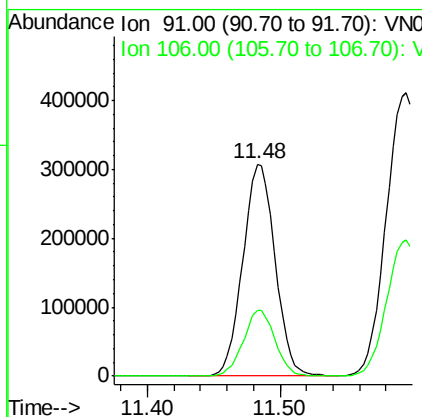
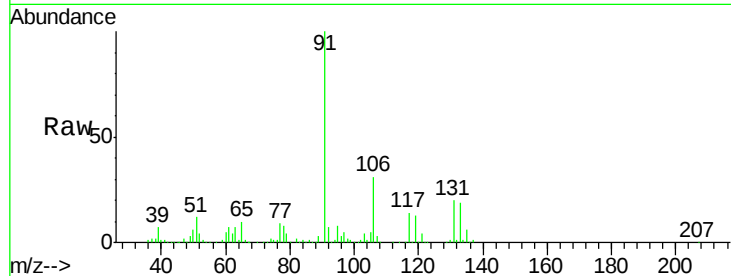
#67
Ethyl Benzene
Concen: 18.524 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.8	35.6

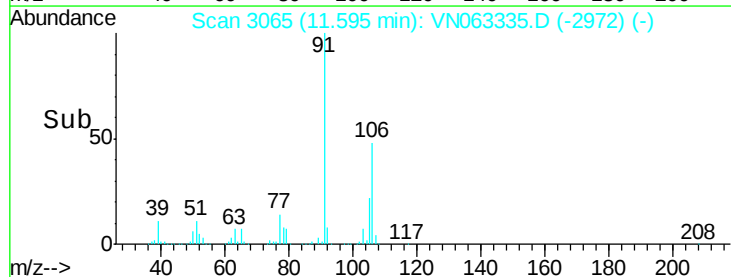
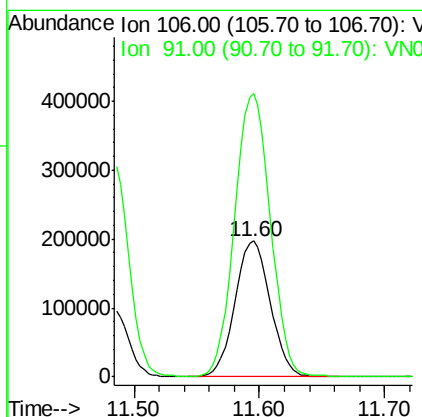
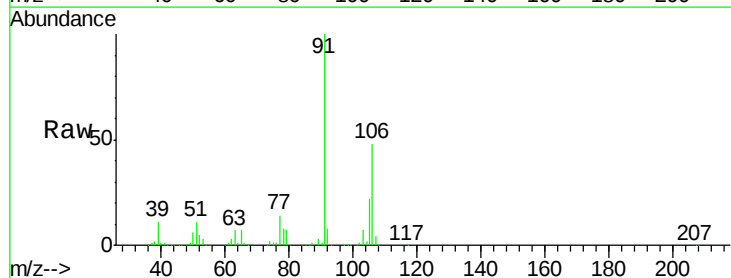
Manual Integrations
APPROVED

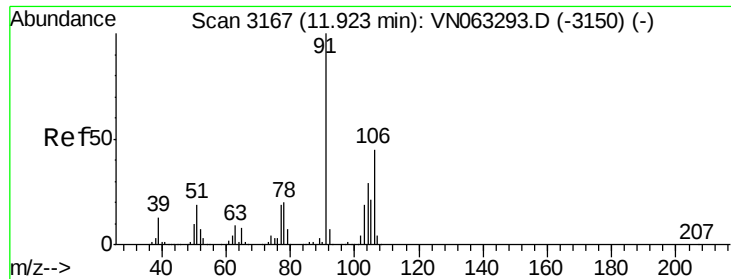
MMDadoda
9/15/2020 1:59:01 PM



#68
m/p-Xylenes
Concen: 36.859 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.7	169.8	254.8





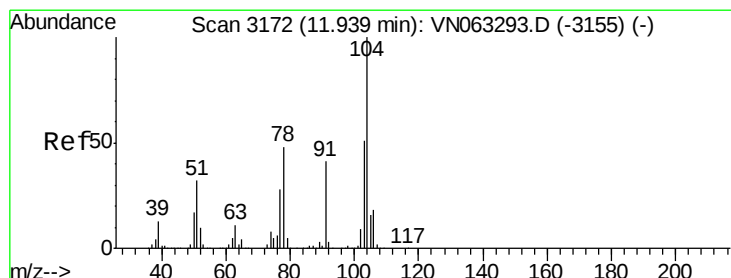
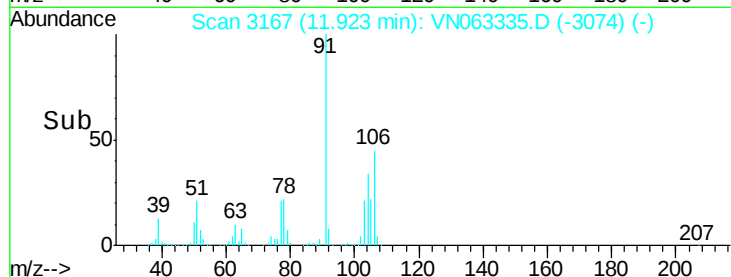
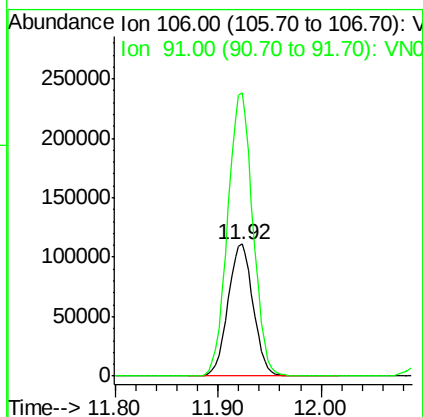
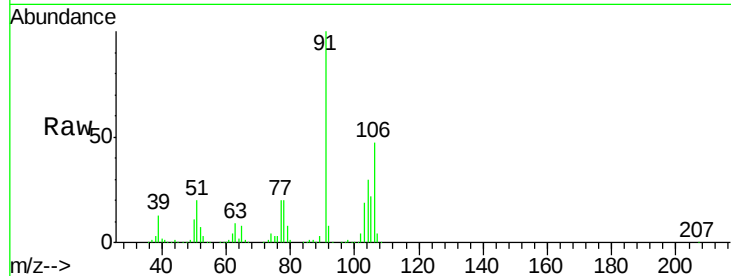
#69
o-Xylene
Concen: 18.967 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0914MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		189569		
91	214.5	111.5	334.4		

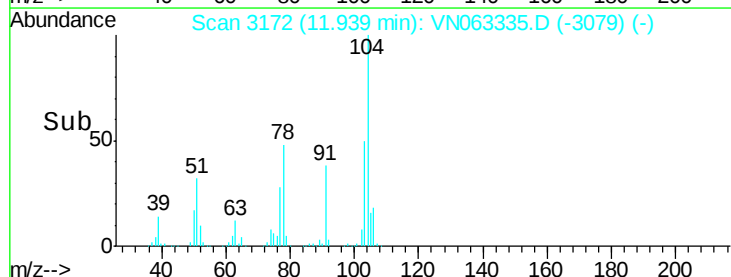
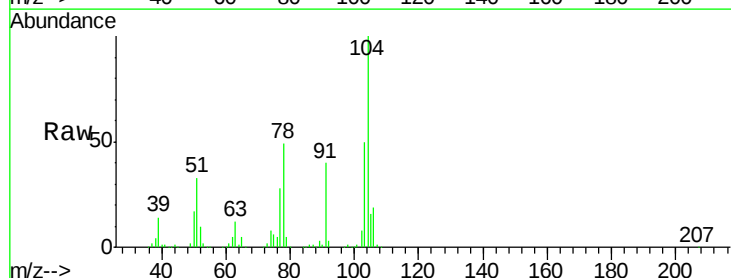
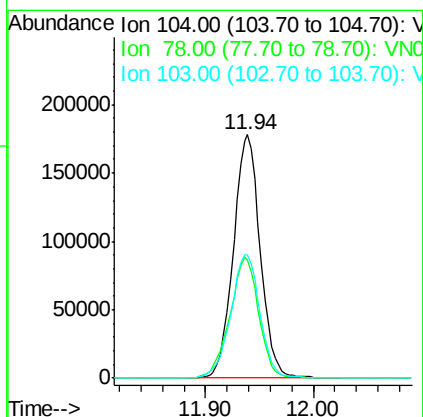
Manual Integrations
APPROVED

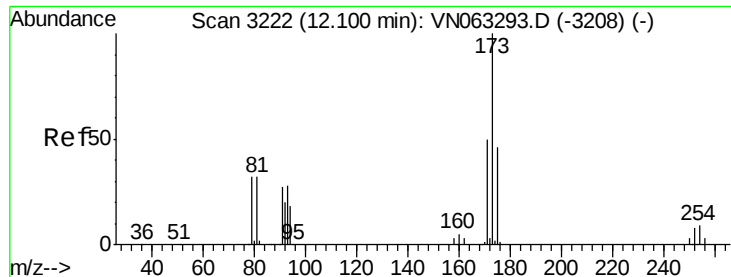
MMDadoda
9/15/2020 1:59:01 PM



#70
Styrene
Concen: 18.584 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		308695		
78	53.7	42.9	64.3		
103	55.4	44.2	66.2		





#71

Bromoform

Concen: 18.796 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion:173 Resp: 74285

Ion Ratio Lower Upper

173 100

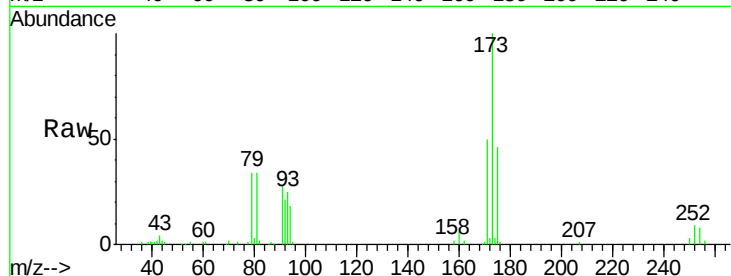
175 47.9 23.8 71.5

254 0.0 0.0 0.0

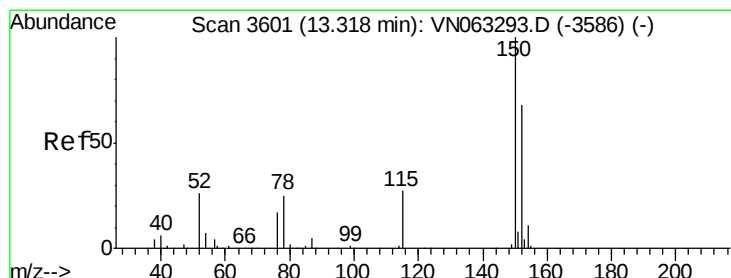
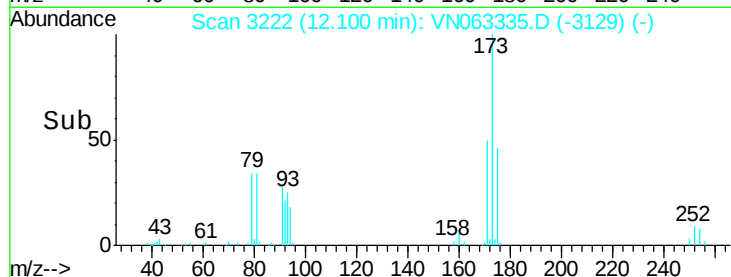
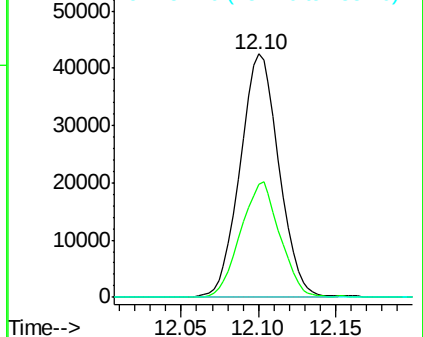
Manual Integrations
APPROVED

MMDadoda

9/15/2020 1:59:01 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

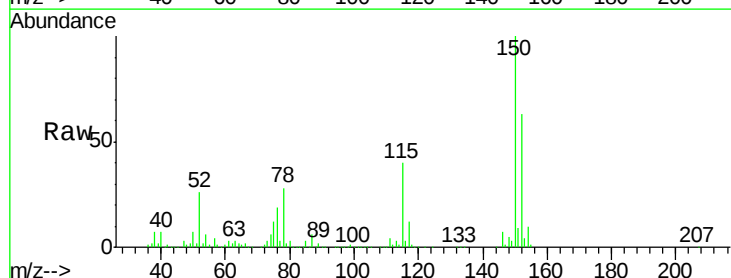
Tgt Ion:152 Resp: 329843

Ion Ratio Lower Upper

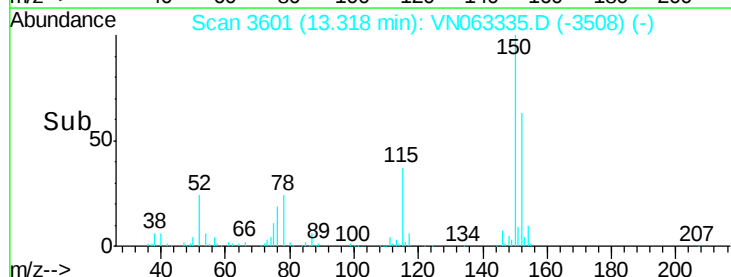
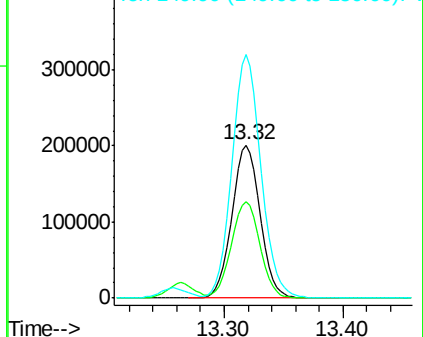
152 100

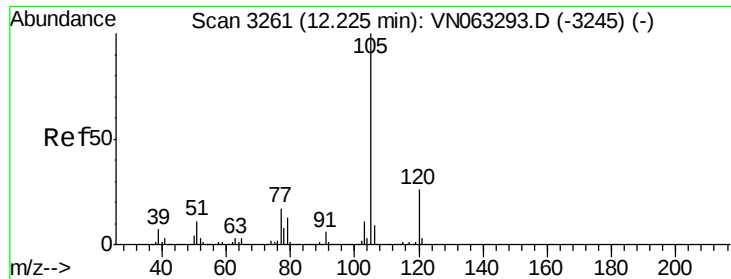
115 63.8 31.5 94.5

150 164.1 0.0 344.0



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





#73

Isopropylbenzene

Concen: 18.697 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion: 105 Resp: 497438

Ion Ratio Lower Upper

105 100

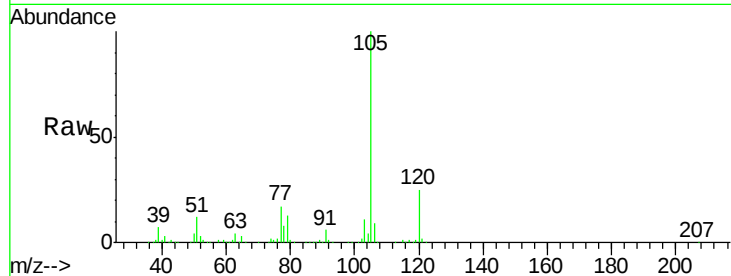
120 25.4 13.0 38.9

Manual Integrations

APPROVED

MMDadoda

9/15/2020 1:59:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

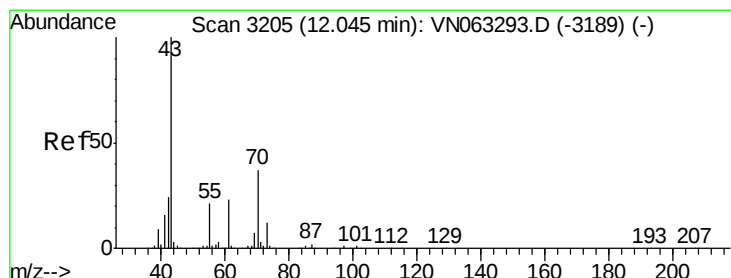
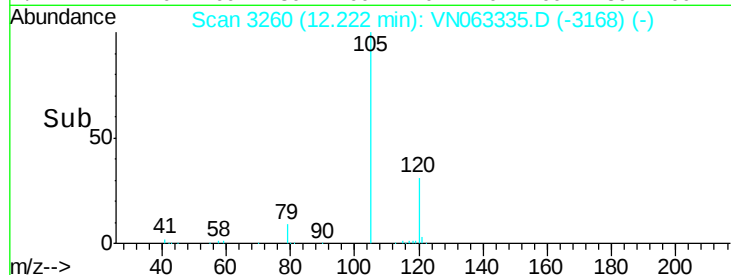
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.450 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Tgt Ion: 43 Resp: 212449

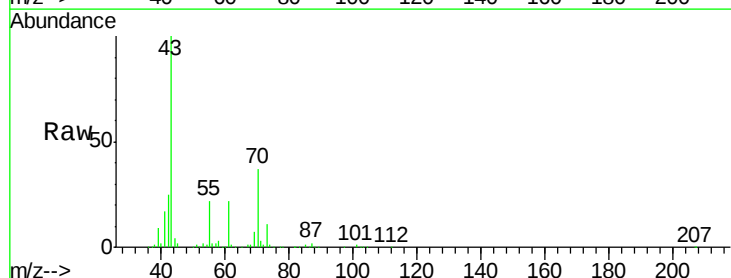
Ion Ratio Lower Upper

43 100

70 36.8 29.3 43.9

55 22.6 17.0 25.6

61 22.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

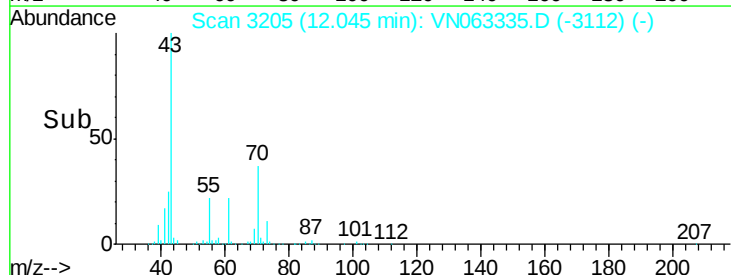
150000

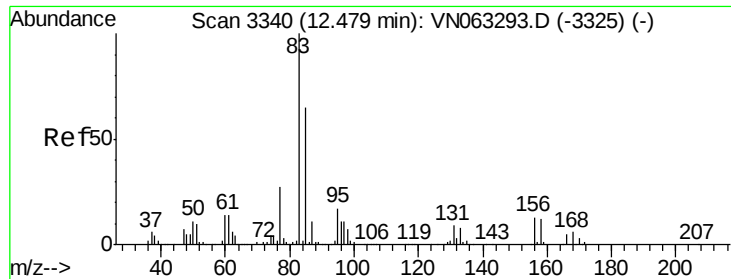
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.645 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

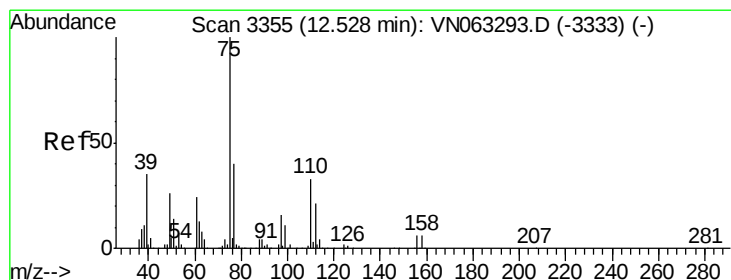
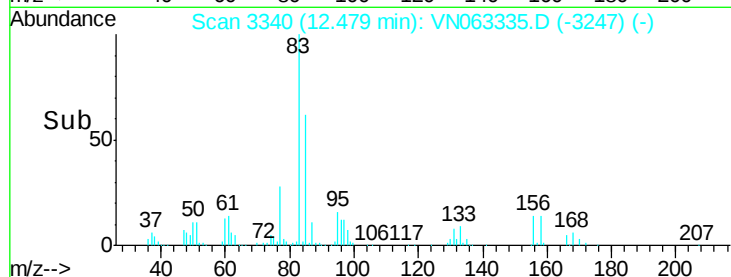
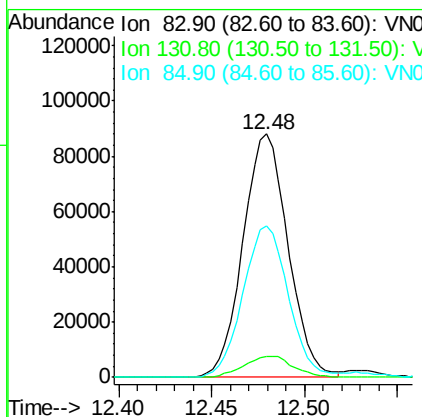
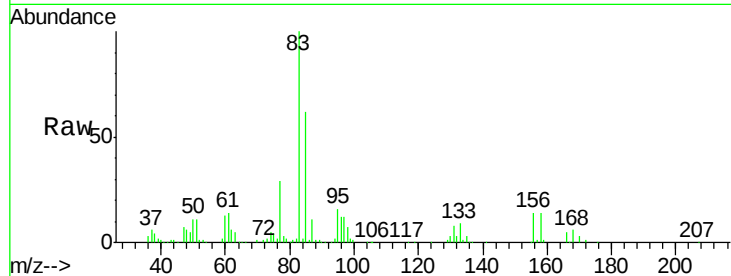
ClientSampleId :

VN0914MBS01

Tot Ion:	83	Resp:	149689
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	62.5	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM



#76

1,2,3-Trichloropropane

Concen: 19.456 ug/l m

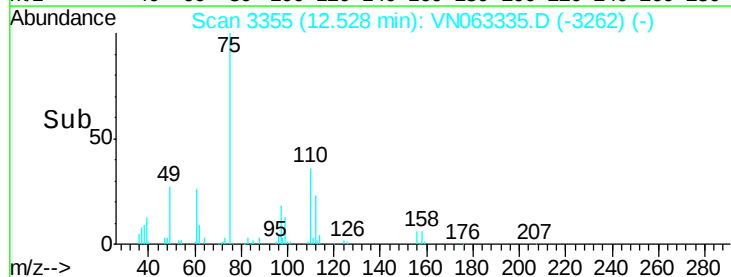
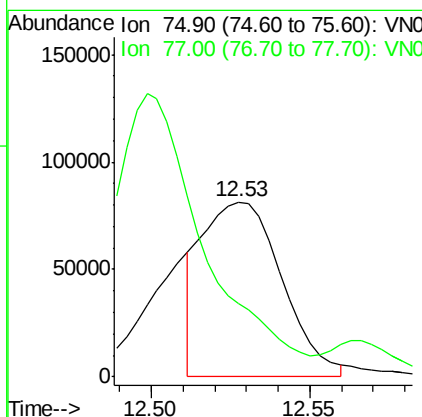
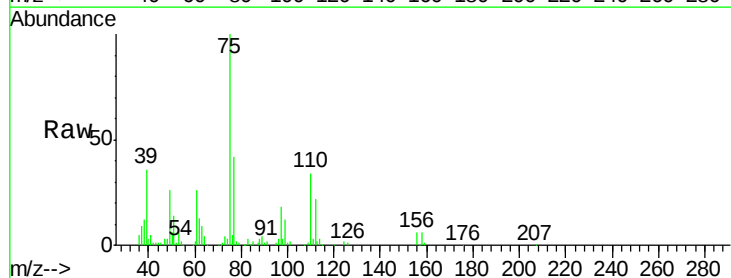
RT: 12.53 min Scan# 3355

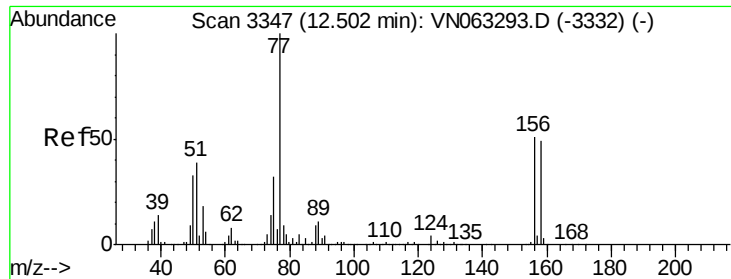
Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Tgt Ion:	75	Resp:	141578
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.992 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

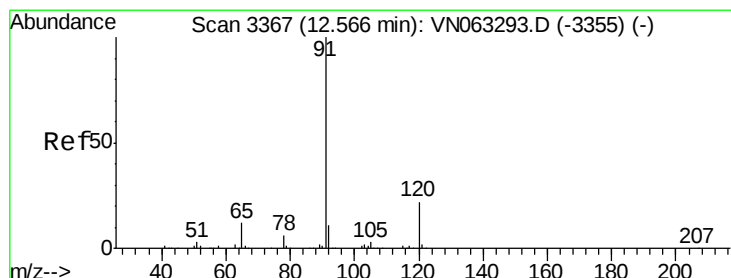
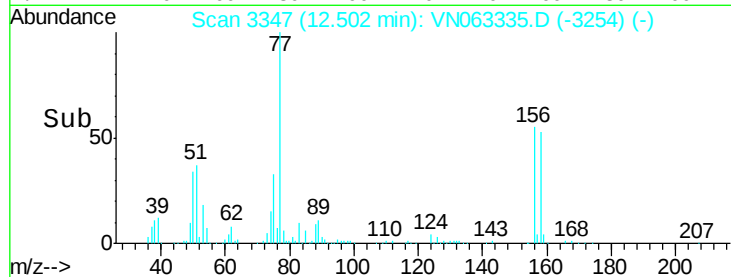
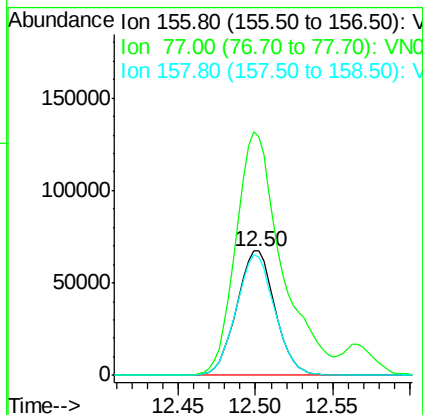
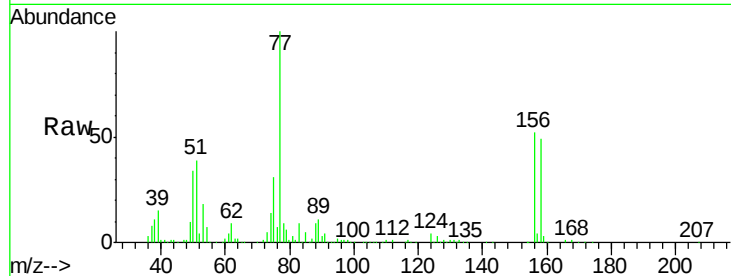
ClientSampleId :

VN0914MBS01

Tot Ion:	156	Resp:	116147
Ion Ratio	Lower	Upper	
156	100		
77	233.3	117.4	352.2
158	97.2	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM



#78

n-propylbenzene

Concen: 19.269 ug/l

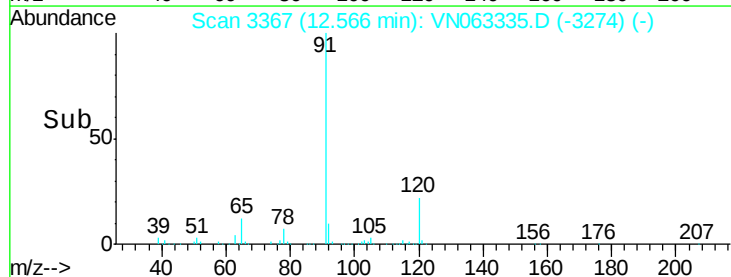
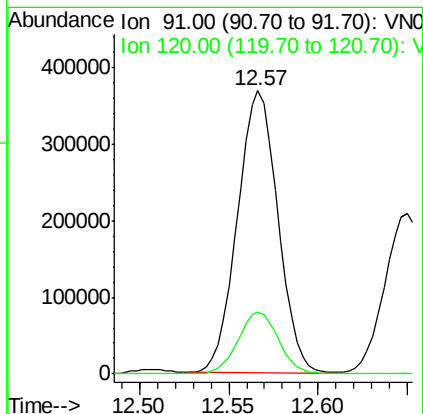
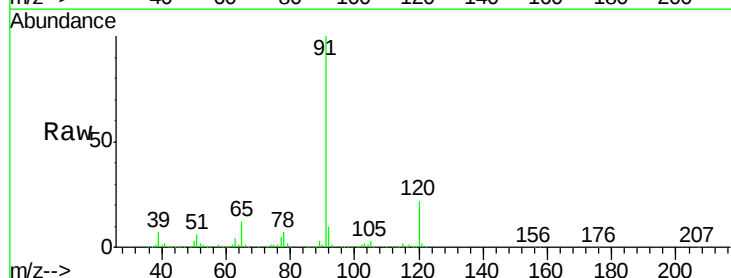
RT: 12.57 min Scan# 3367

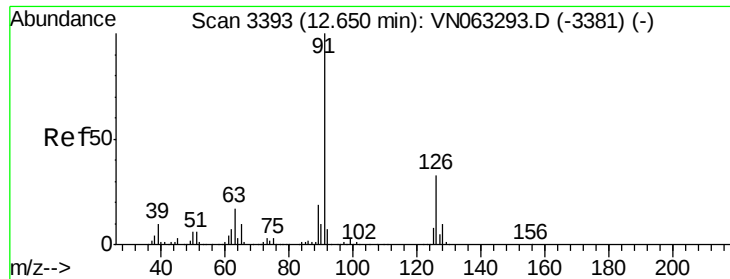
Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Tgt Ion:	91	Resp:	582391
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.3





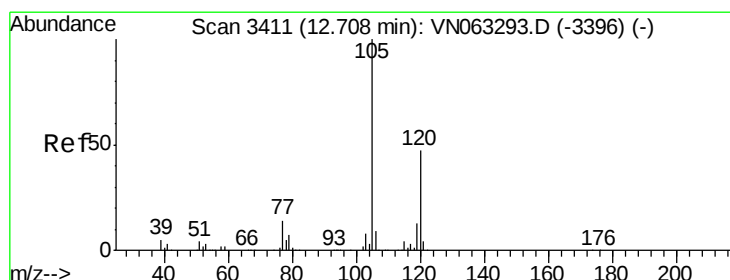
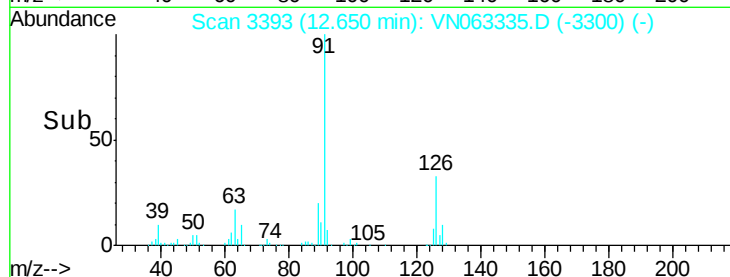
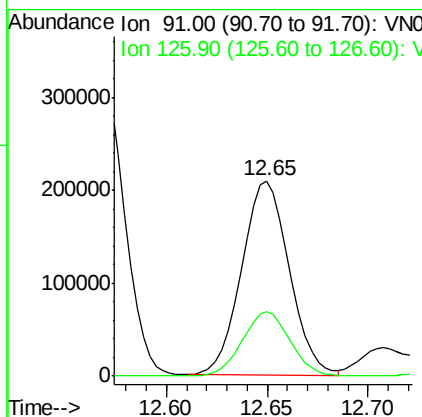
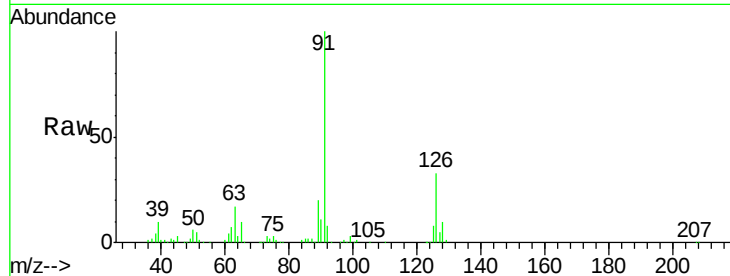
#79
 2-Chlorotoluene
 Concen: 18.623 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion: 91 Resp: 346083
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.3 48.8

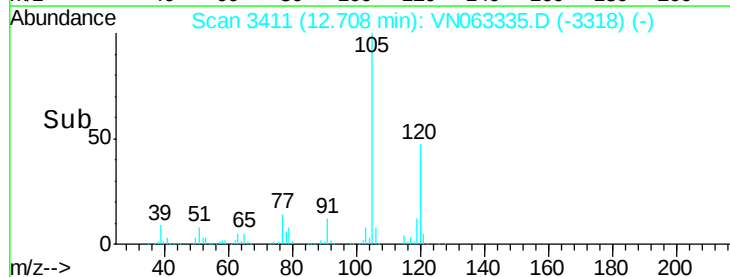
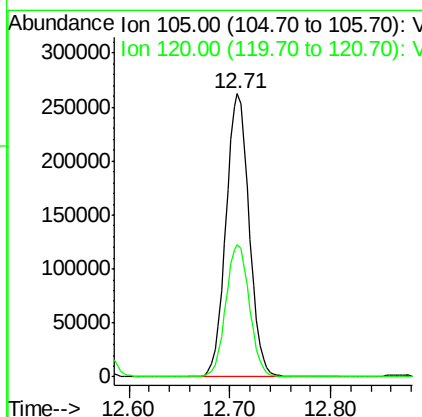
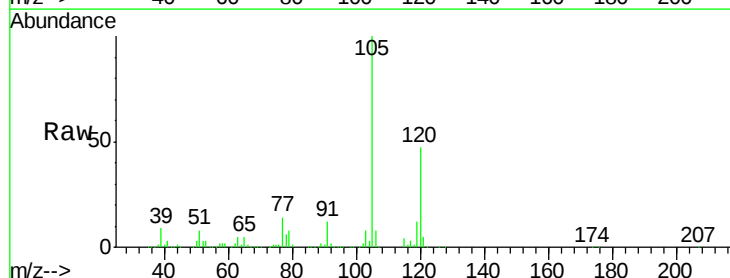
Manual Integrations
 APPROVED

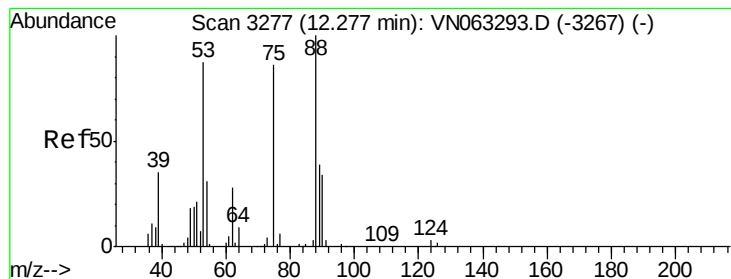
MMDadoda
 9/15/2020 1:59:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.109 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion: 105 Resp: 422137
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.102 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion: 75 Resp: 51734

Ion Ratio Lower Upper

75 100

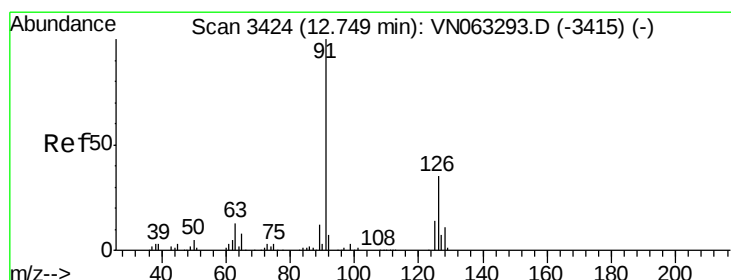
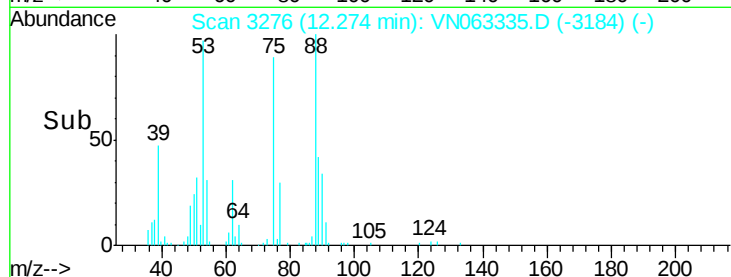
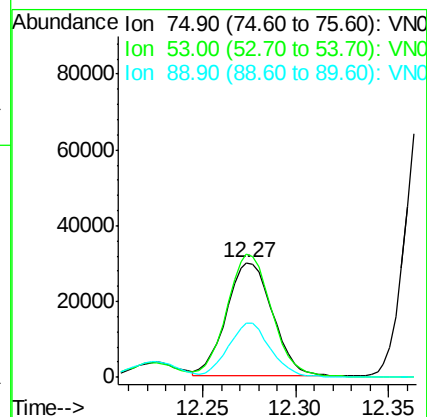
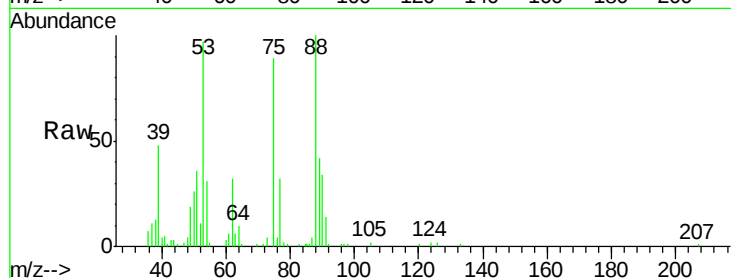
53 105.0 81.8 122.8

89 44.5 36.7 55.1

Manual Integrations
APPROVED

MMDadoda

9/15/2020 1:59:01 PM



#82

4-Chlorotoluene

Concen: 18.437 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063335.D

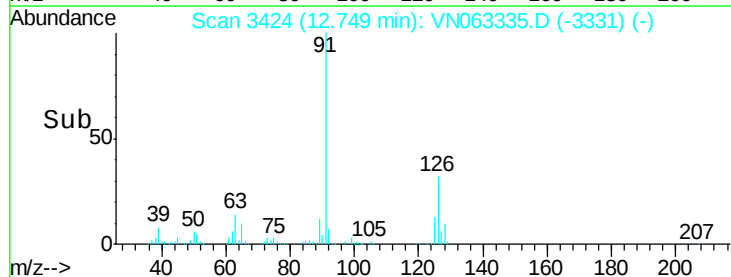
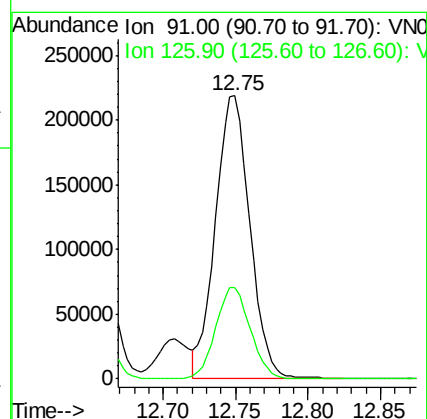
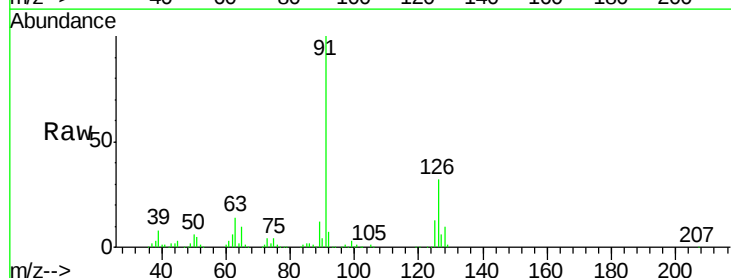
Acq: 14 Sep 2020 12:08

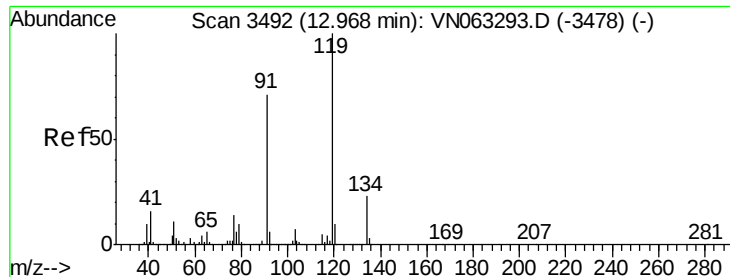
Tgt Ion: 91 Resp: 359166

Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.7





#83

tert-Butylbenzene

Concen: 18.213 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

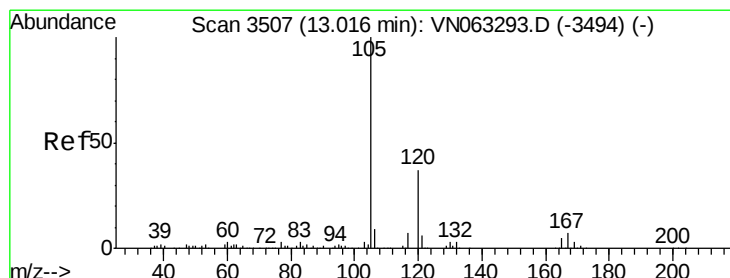
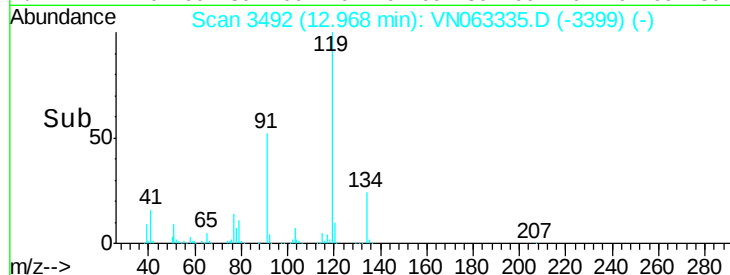
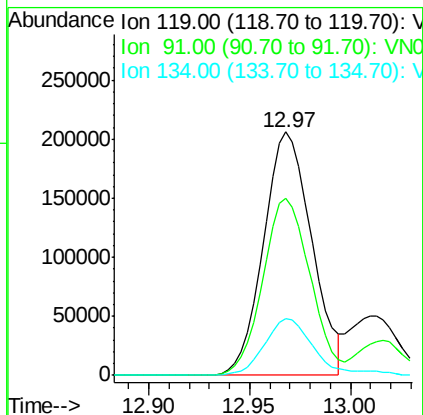
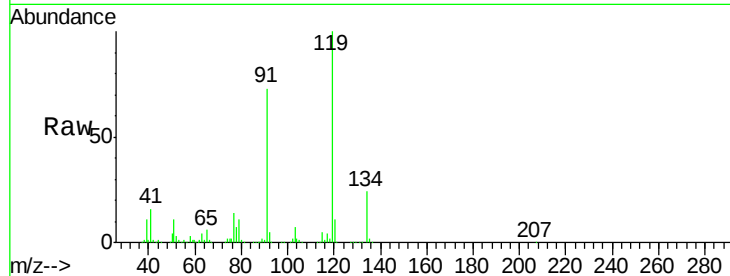
ClientSampled :

VN0914MBS01

Tot Ion:	119	Resp:	341223
Ion Ratio	Lower	Upper	
119	100		
91	71.6	34.8	104.3
134	24.3	11.9	35.5

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM



#84

1,2,4-Trimethylbenzene

Concen: 19.104 ug/l

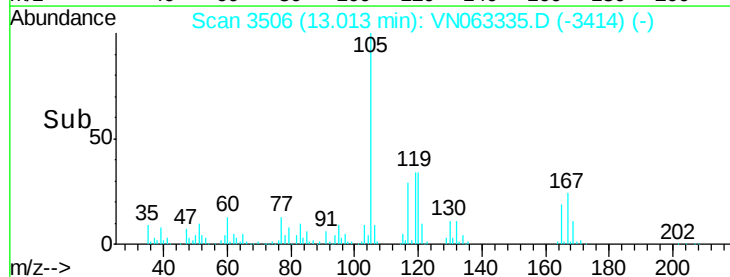
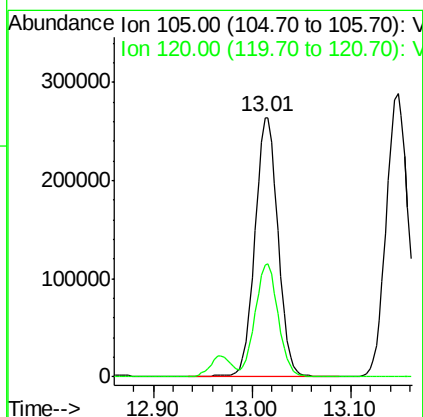
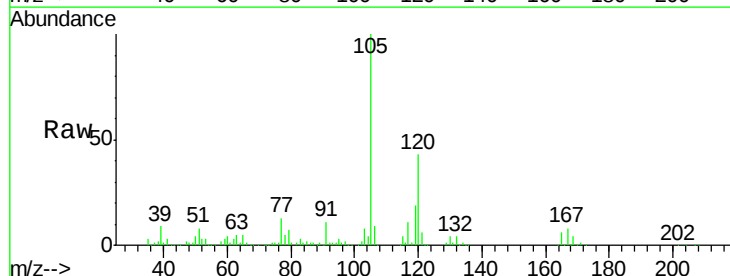
RT: 13.01 min Scan# 3506

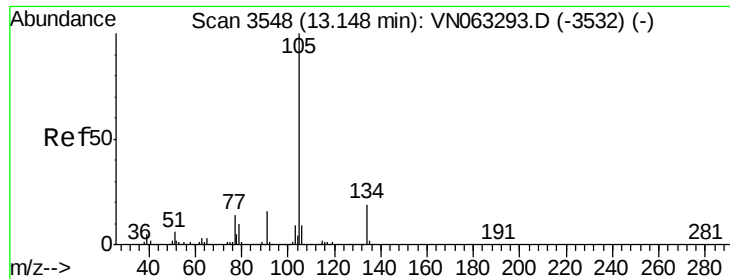
Delta R.T. -0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Tgt Ion:	105	Resp:	425391
Ion Ratio	Lower	Upper	
105	100		
120	43.4	21.8	65.4





#85

sec-Butylbenzene

Concen: 18.909 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBS01

Tot Ion:105 Resp: 450734

Ion Ratio Lower Upper

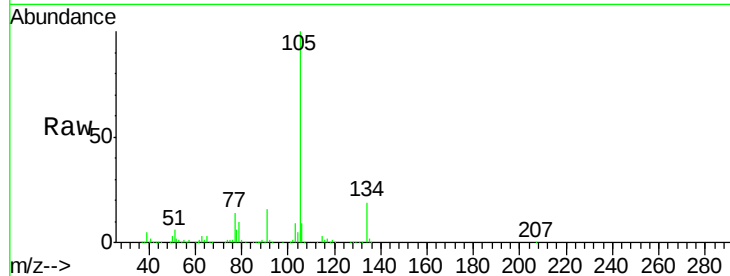
105 100

134 18.8 9.4 28.3

Manual Integrations
APPROVED

MMDadoda

9/15/2020 1:59:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

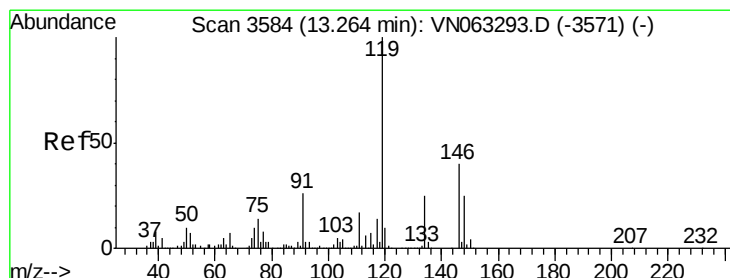
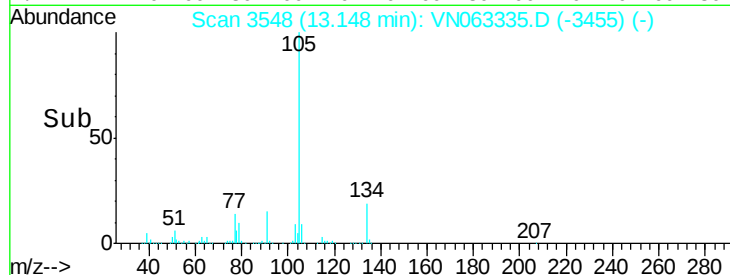
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.847 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063335.D

Acq: 14 Sep 2020 12:08

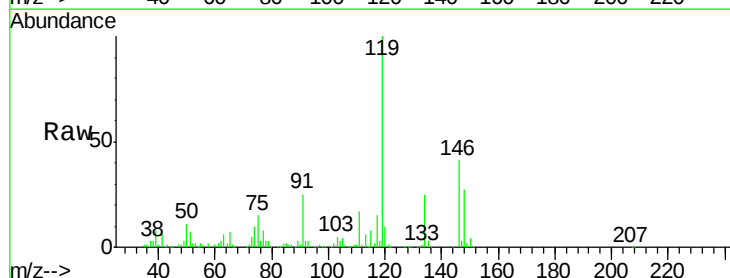
Tgt Ion:119 Resp: 411863

Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 25.5 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

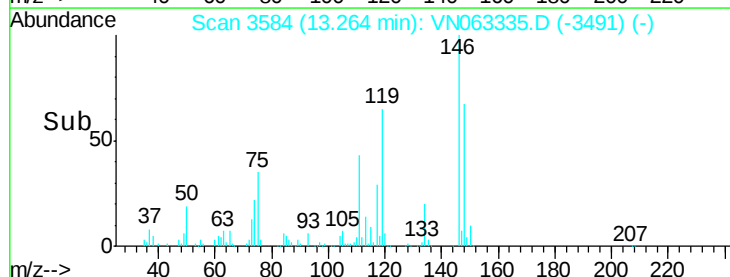
300000

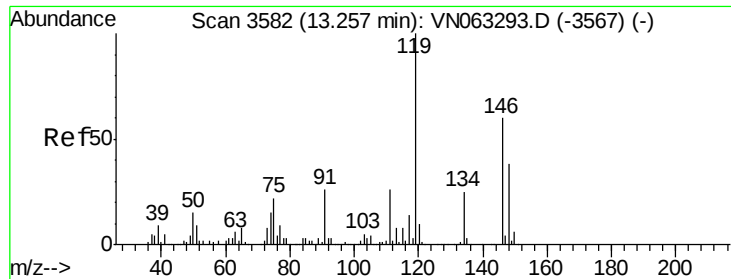
200000

100000

0

Time-->





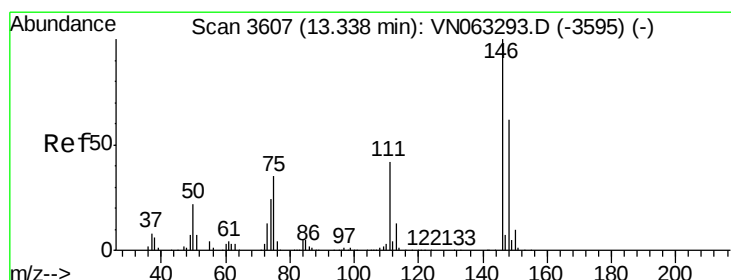
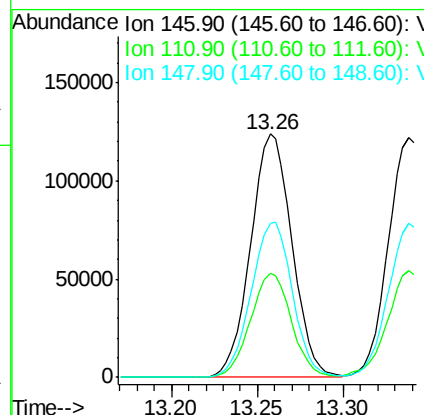
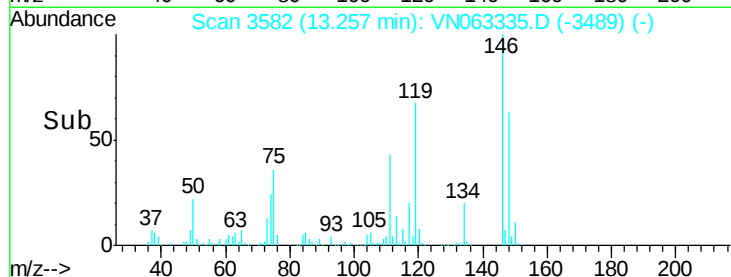
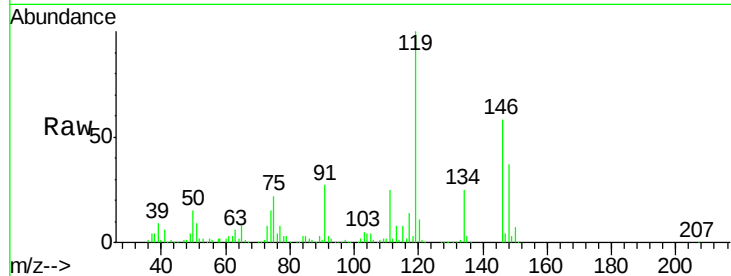
#87
 1,3-Dichlorobenzene
 Concen: 18.429 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	206036		
111	42.3		21.8	65.4
148	63.9		31.8	95.4

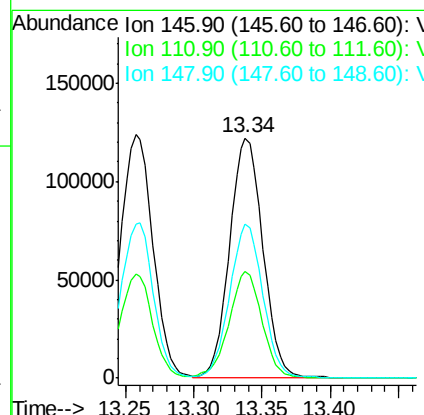
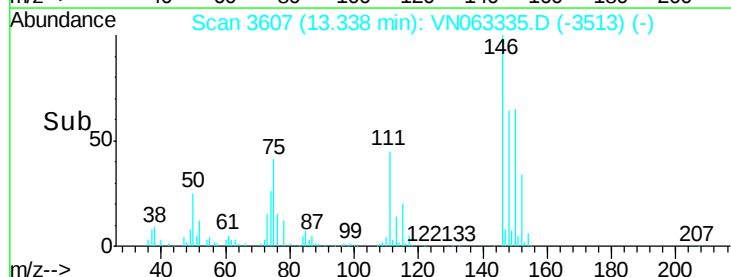
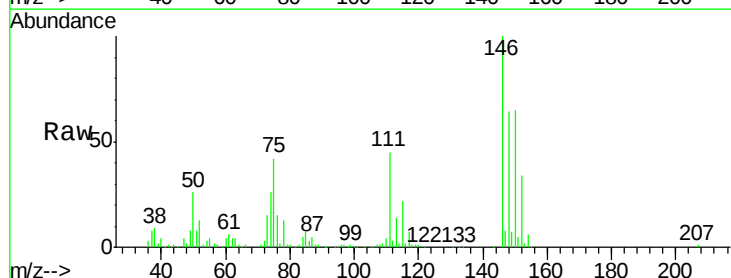
Manual Integrations
 APPROVED

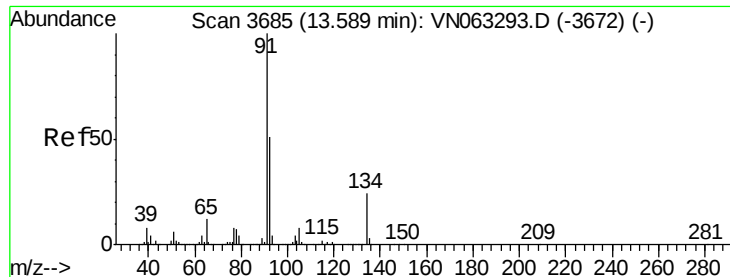
MMDadoda
 9/15/2020 1:59:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.597 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	205656		
111	44.2		21.3	64.0
148	64.0		31.5	94.5





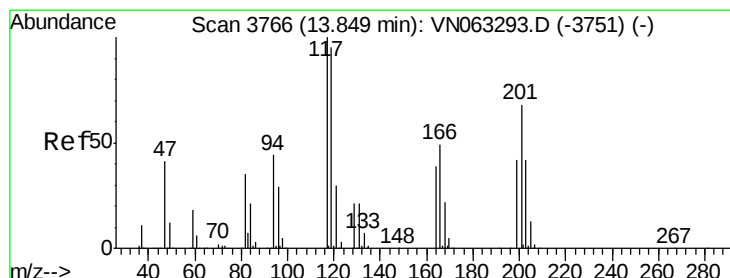
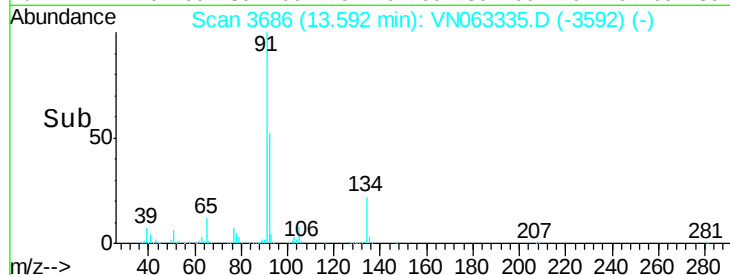
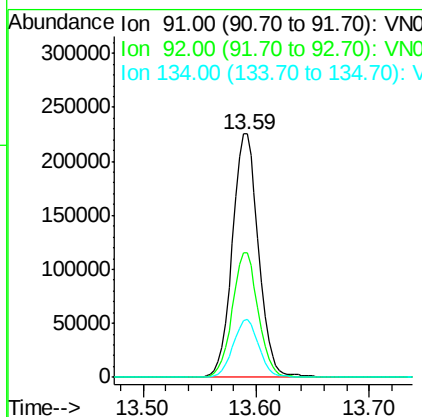
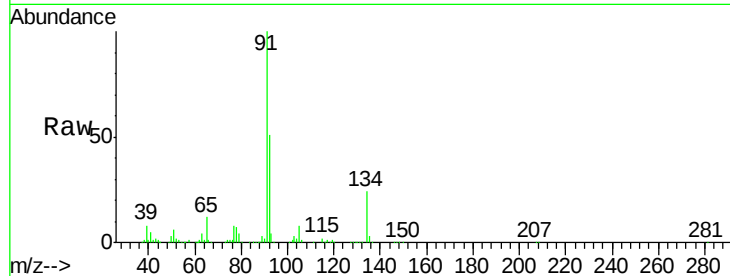
#89
n-Butylbenzene
Concen: 18.369 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.8	77.3
134	23.6	12.0	36.0

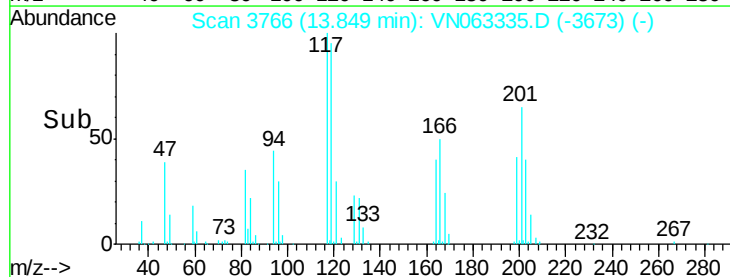
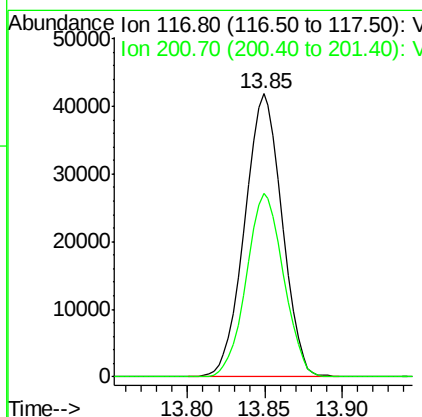
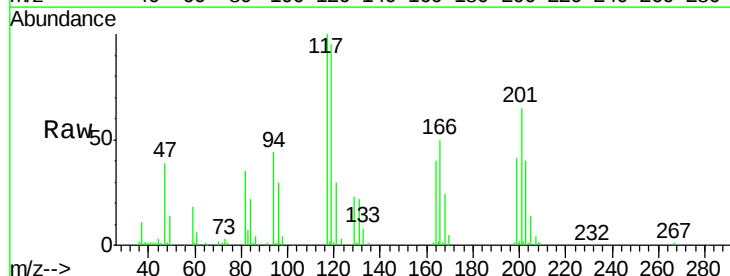
Manual Integrations
APPROVED

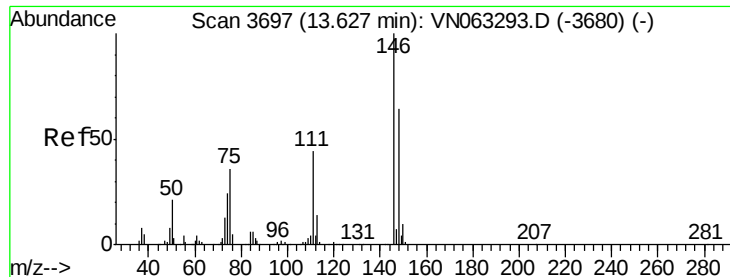
MMDadoda
9/15/2020 1:59:01 PM



#90
Hexachloroethane
Concen: 19.632 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.3	33.5	100.4





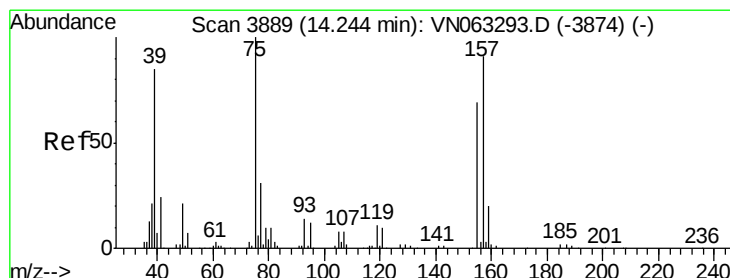
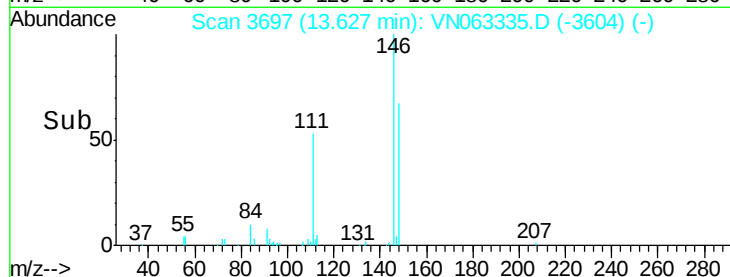
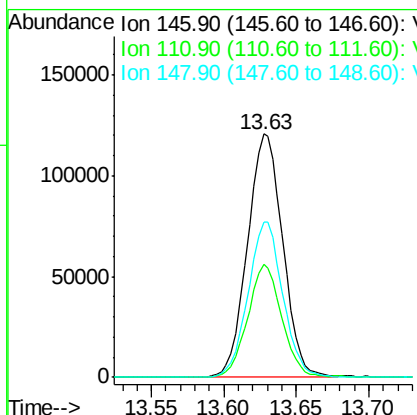
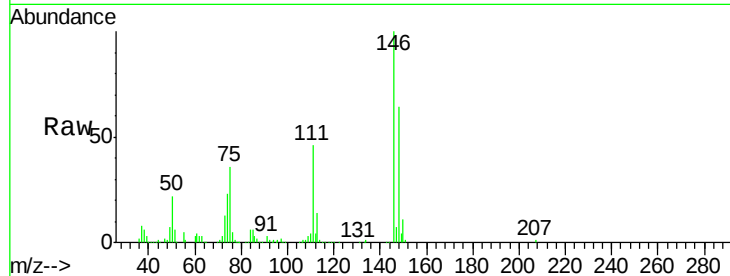
#91
 1,2-Dichlorobenzene
 Concen: 18.544 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.1	66.5
148	63.0	31.8	95.3

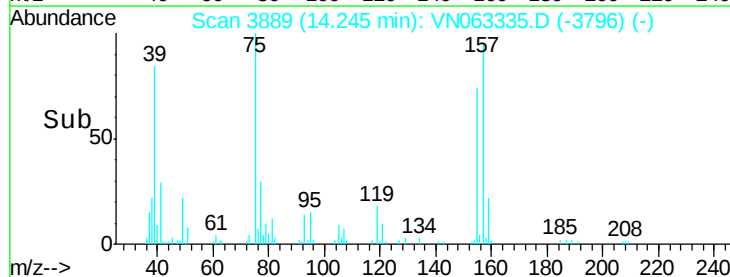
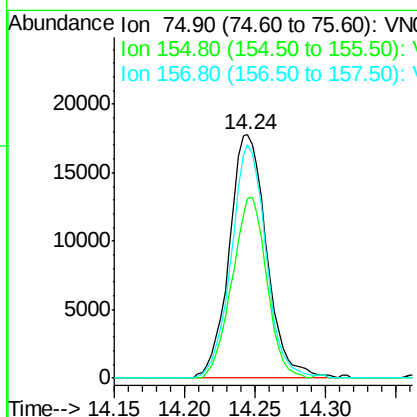
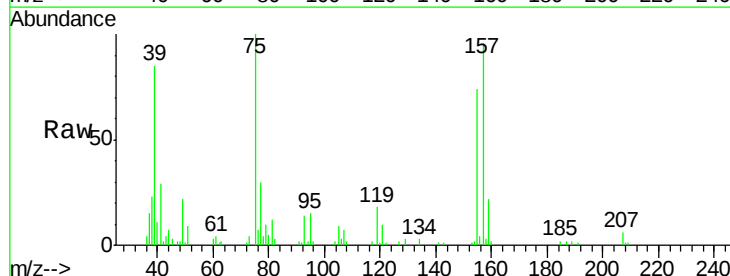
Manual Integrations
 APPROVED

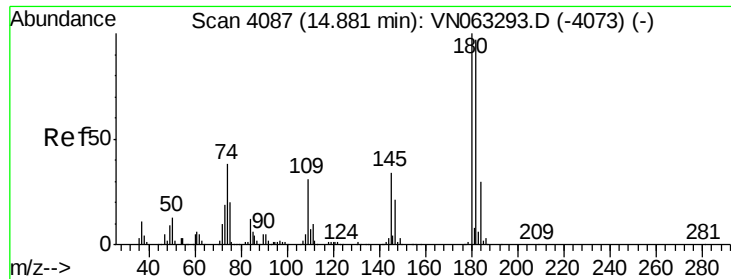
MMDadoda
 9/15/2020 1:59:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.053 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.4	35.3	105.7
157	88.9	46.7	140.0





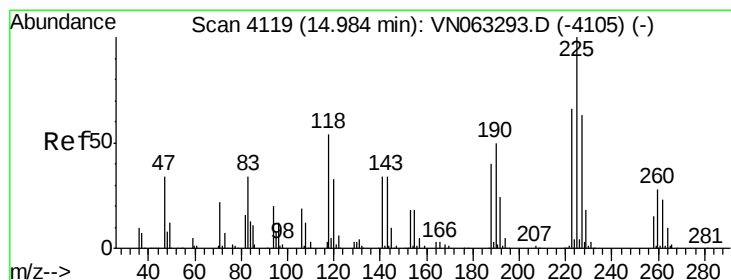
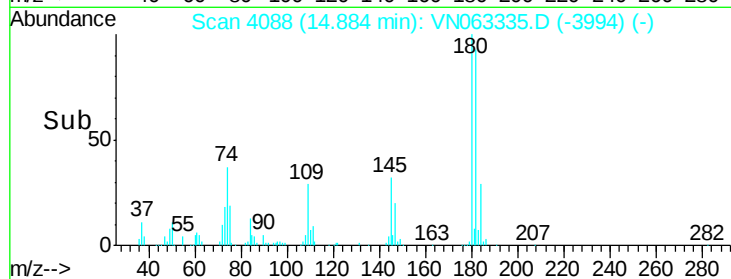
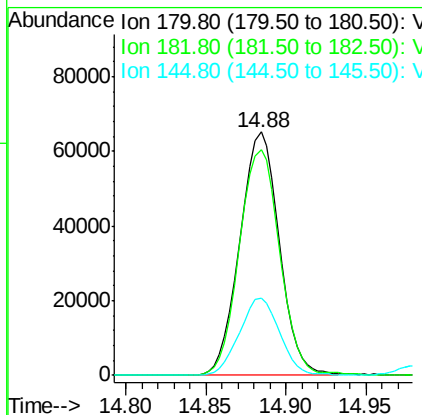
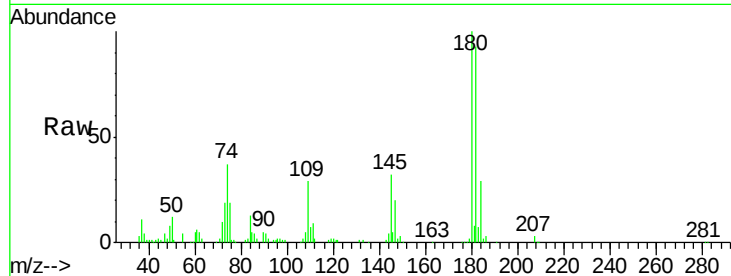
#93
 1,2,4-Trichlorobenzene
 Concen: 16.953 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109654		
182	95.0	48.0	144.2	
145	32.3	16.6	49.8	

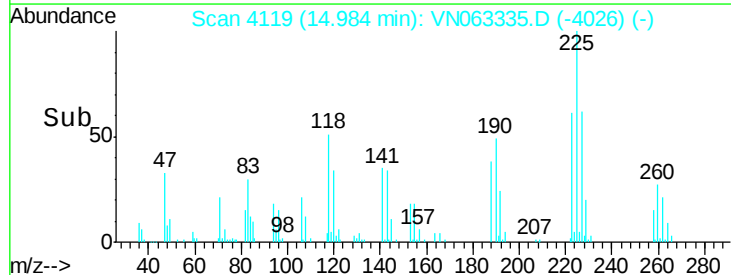
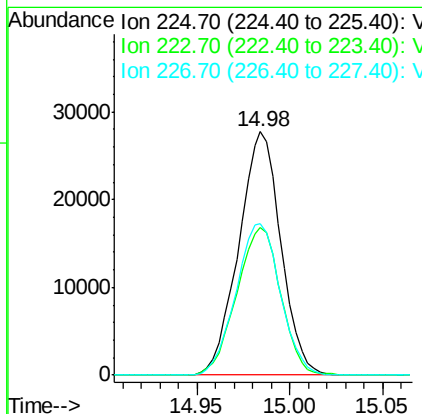
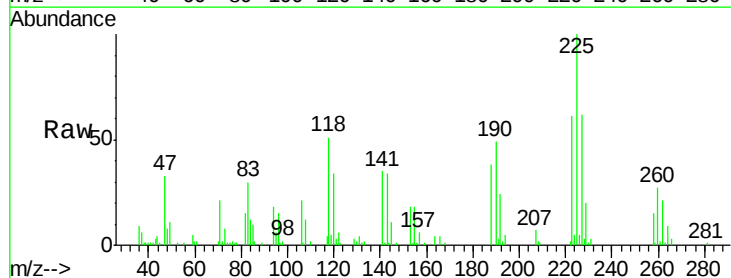
Manual Integrations
 APPROVED

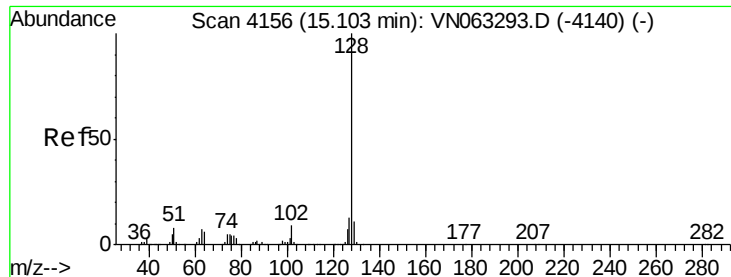
MMDadoda
 9/15/2020 1:59:01 PM



#94
 Hexachlorobutadiene
 Concen: 17.964 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063335.D
 Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43778		
223	63.1	31.3	93.9	
227	65.5	31.2	93.6	





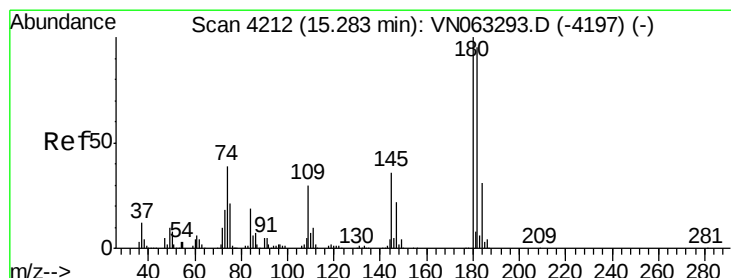
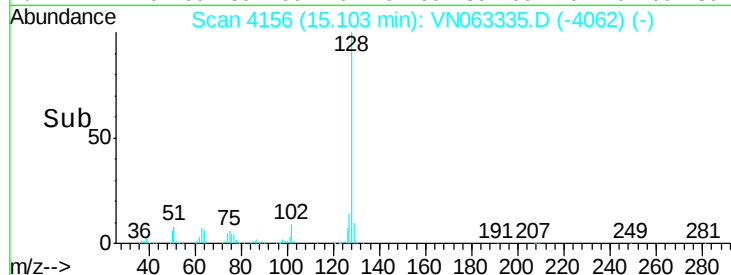
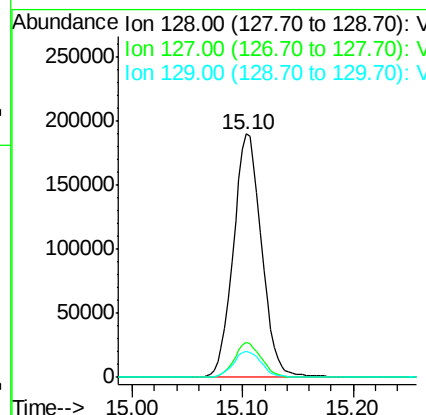
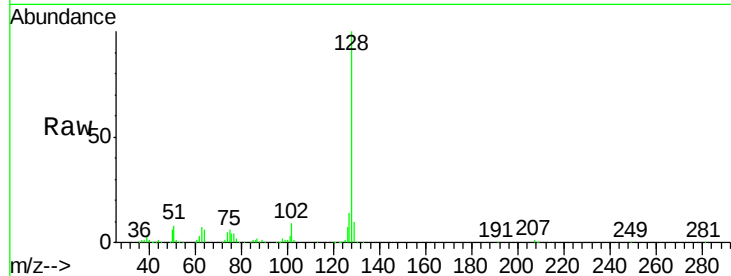
#95
Naphthalene
Concen: 16.994 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:59:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.599 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063335.D
Acq: 14 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	35.1	17.2	51.6

