

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060296.D
 Acq On : 28 Feb 2020 19:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:47 AM

Quant Time: Feb 29 02:38:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130056	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.56	113	78476	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.08	98	387315	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	149149	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82393	45.187	ug/l	100
3) Chloromethane	2.04	50	148826	46.881	ug/l	99
4) Vinyl Chloride	2.16	62	124690	45.799	ug/l	100
5) Bromomethane	2.54	94	44113	39.762	ug/l	100
6) Chloroethane	2.68	64	67835	45.987	ug/l	96
7) Trichlorofluoromethane	3.00	101	161712	46.490	ug/l	100
8) Diethyl Ether	3.38	74	61564	46.876	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91373	46.415	ug/l	99
10) Methyl Iodide	3.93	142	76514	42.587	ug/l	99
11) Tert butyl alcohol	4.72	59	81921	216.221	ug/l	100
12) 1,1-Dichloroethene	3.72	96	92028	48.164	ug/l	97
13) Acrolein	3.58	56	87064	246.321	ug/l	99
14) Allyl chloride	4.29	41	150583	42.745	ug/l	91
15) Acrylonitrile	4.94	53	251008	251.348	ug/l	99
16) Acetone	3.78	43	203703	247.217	ug/l	98
17) Carbon Disulfide	4.03	76	241741	47.645	ug/l	100
18) Methyl Acetate	4.28	43	124517	45.283	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	329436	47.490	ug/l	100
20) Methylene Chloride	4.52	84	104129	46.015	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	97936	47.689	ug/l	96
22) Diisopropyl ether	5.91	45	345611	48.434	ug/l	98
23) Vinyl Acetate	5.86	43	1405733	247.912	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193223	47.836	ug/l	99
25) 2-Butanone	6.80	43	328261	246.640	ug/l	100
26) 2,2-Dichloropropane	6.80	77	157647	42.870	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	115289	43.937	ug/l	100
28) Bromochloromethane	7.17	49	76175	45.931	ug/l	96
29) Tetrahydrofuran	7.18	42	221166	238.969	ug/l	100
30) Chloroform	7.35	83	192762	47.938	ug/l	100
31) Cyclohexane	7.63	56	168413	48.827	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	169470	47.568	ug/l	100
36) 1,1-Dichloropropene	7.77	75	141516	44.956	ug/l	99
37) Ethyl Acetate	6.90	43	143132	48.021	ug/l	100
38) Carbon Tetrachloride	7.75	117	141988	46.328	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060296.D
 Acq On : 28 Feb 2020 19:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:47 AM

Quant Time: Feb 29 02:38:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	167898	45.237	ug/l	98
40) Benzene	8.02	78	422831	46.150	ug/l	100
41) Methacrylonitrile	7.14	41	57541m	41.809	ug/l	
42) 1,2-Dichloroethane	8.10	62	154306	46.672	ug/l	100
43) Isopropyl Acetate	8.14	43	249337	47.783	ug/l	99
44) Trichloroethene	8.82	130	113793	44.595	ug/l	99
45) 1,2-Dichloropropane	9.10	63	115918	48.391	ug/l	99
46) Dibromomethane	9.19	93	72560	46.683	ug/l	99
47) Bromodichloromethane	9.39	83	153635	48.600	ug/l	98
48) Methyl methacrylate	9.18	41	112088	47.105	ug/l	99
49) 1,4-Dioxane	9.18	88	27907	833.976	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	732813	247.691	ug/l	100
52) Toluene	10.14	92	267358	46.454	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	174670	45.093	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	184915	46.070	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	107534	46.462	ug/l	99
56) Ethyl methacrylate	10.42	69	166430	50.053	ug/l	100
57) 1,3-Dichloropropane	10.70	76	180409	47.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	433228	249.122	ug/l	100
59) 2-Hexanone	10.74	43	533540	245.615	ug/l	100
60) Dibromochloromethane	10.89	129	113723	48.317	ug/l	99
61) 1,2-Dibromoethane	10.99	107	109007	48.315	ug/l	98
64) Tetrachloroethene	10.62	164	114528	46.426	ug/l	97
65) Chlorobenzene	11.43	112	282873	44.809	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	108085	46.306	ug/l	100
67) Ethyl Benzene	11.50	91	522899	45.484	ug/l	100
68) m/p-Xylenes	11.62	106	389399	89.776	ug/l	100
69) o-Xylene	11.94	106	188772	45.640	ug/l	99
70) Styrene	11.96	104	314674	46.273	ug/l	100
71) Bromoform	12.12	173	82110	48.810	ug/l #	100
73) Isopropylbenzene	12.24	105	511826	45.025	ug/l	99
74) N-amyl acetate	12.06	43	230614	46.426	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	149194	48.283	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135695m	40.326	ug/l	
77) Bromobenzene	12.52	156	125624	45.083	ug/l	99
78) n-propylbenzene	12.59	91	602478	45.214	ug/l	99
79) 2-Chlorotoluene	12.67	91	347256	44.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	432762	45.216	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	57554	47.215	ug/l #	84
82) 4-Chlorotoluene	12.77	91	365857	44.334	ug/l	99
83) tert-Butylbenzene	12.99	119	368832	44.510	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	438186	45.359	ug/l	99
85) sec-Butylbenzene	13.17	105	498945	44.964	ug/l	100
86) p-Isopropyltoluene	13.28	119	452082	44.017	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	224127	46.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	222483	46.708	ug/l	100
89) n-Butylbenzene	13.61	91	416490	44.175	ug/l	100
90) Hexachloroethane	13.87	117	66004	44.398	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	214242	43.878	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32814	46.894	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
Data File : VN060296.D
Acq On : 28 Feb 2020 19:36
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM

Quant Time: Feb 29 02:38:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	145611	46.939	ug/l	99
94) Hexachlorobutadiene	15.01	225	65165	45.642	ug/l	98
95) Naphthalene	15.13	128	431227	47.174	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	138208	47.292	ug/l	100

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

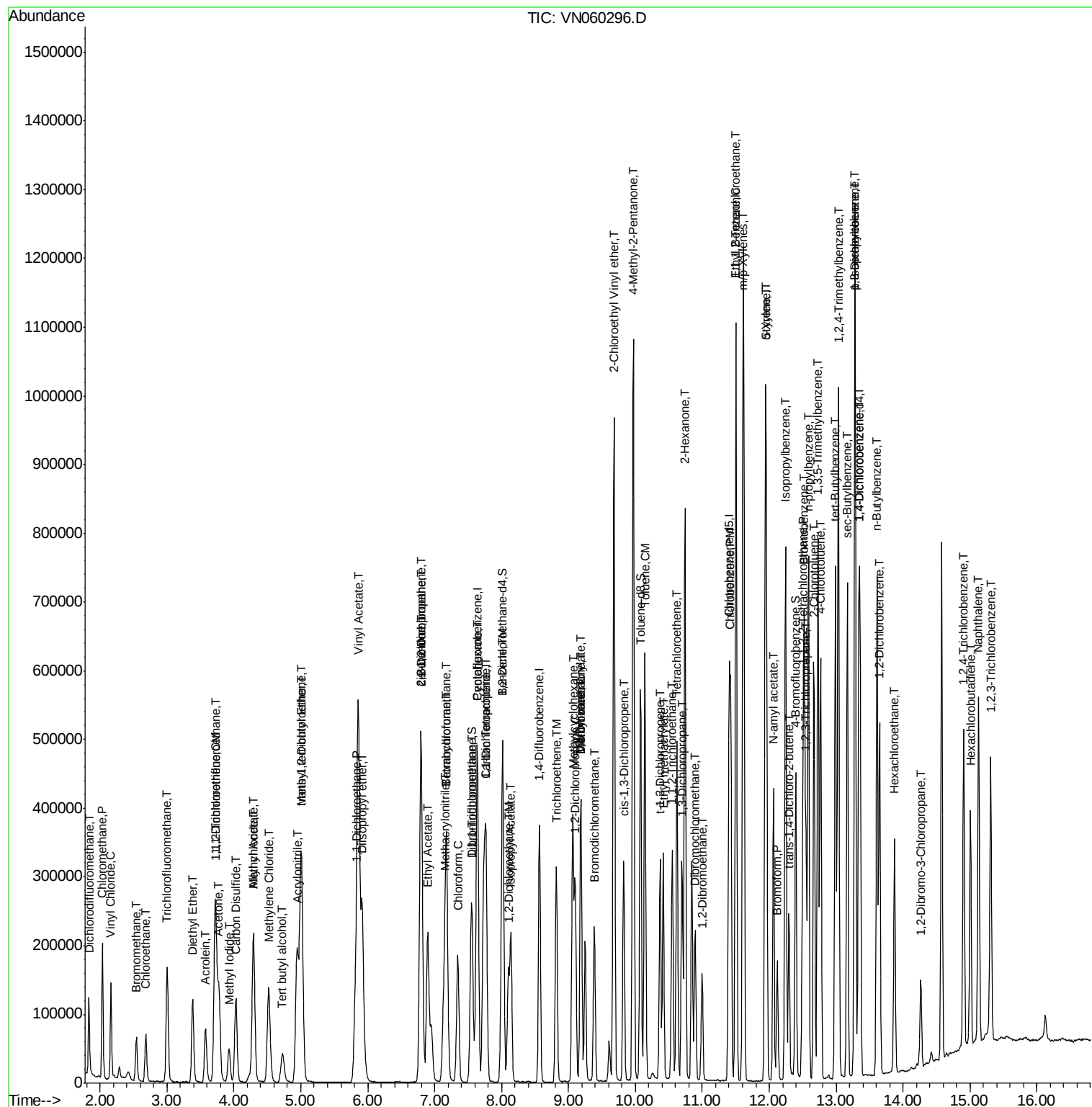
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060296.D
 Acq On : 28 Feb 2020 19:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

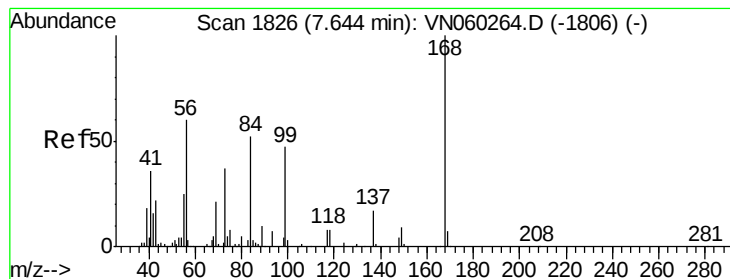
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:47 AM

Quant Time: Feb 29 02:38:39 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 198874

Ion Ratio Lower Upper

168 100

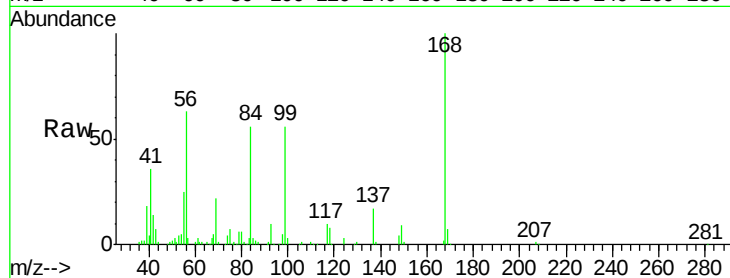
99 55.6 44.7 67.1

Manual Integrations

APPROVED

MMDadoda

3/2/2020 11:00:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

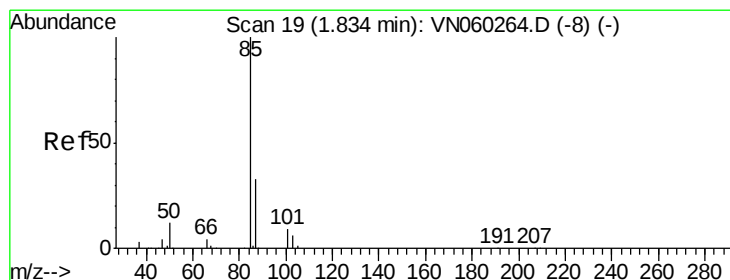
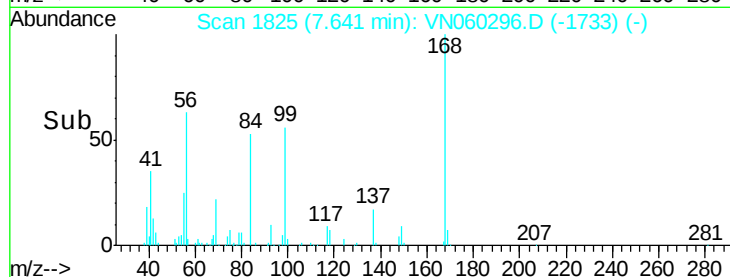
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.187 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060296.D

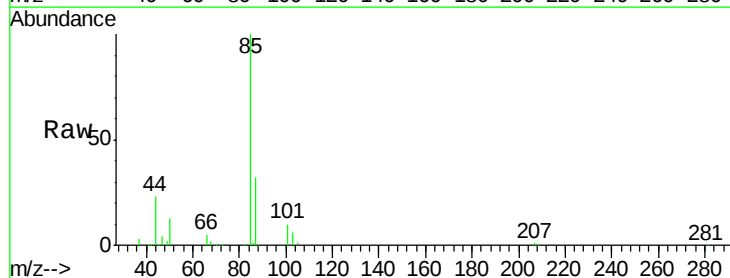
Acq: 28 Feb 2020 19:36

Tgt Ion: 85 Resp: 82393

Ion Ratio Lower Upper

85 100

87 32.4 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

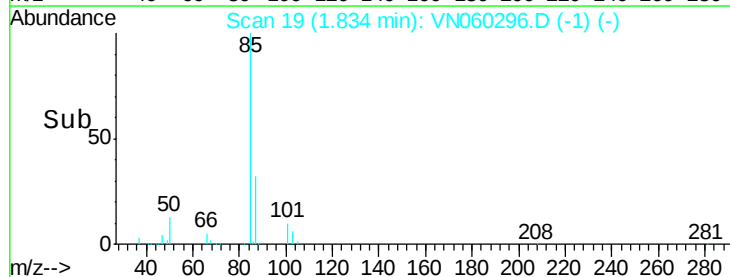
40000

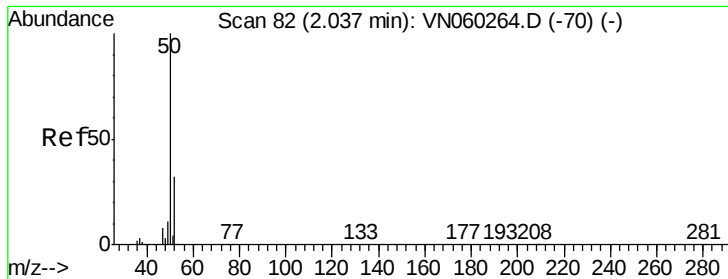
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 46.881 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 148826

Ion Ratio Lower Upper

50 100

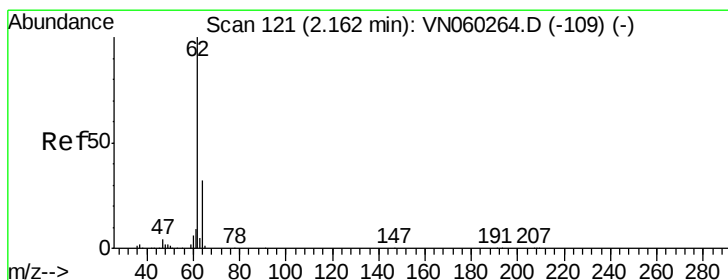
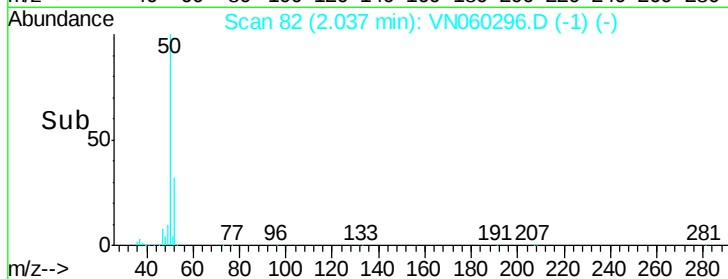
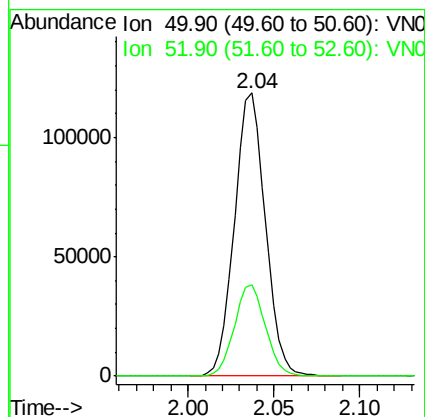
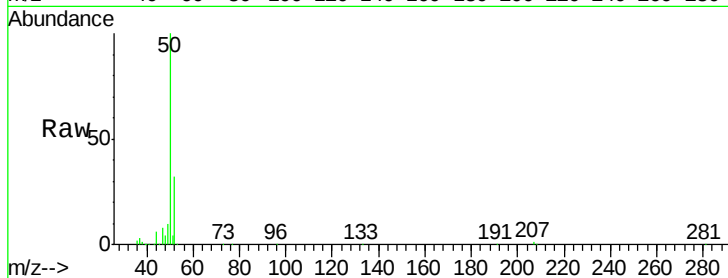
52 32.3 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

3/2/2020 11:00:47 AM



#4

Vinyl Chloride

Concen: 45.799 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060296.D

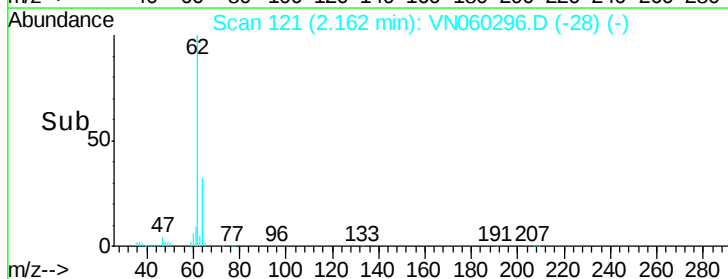
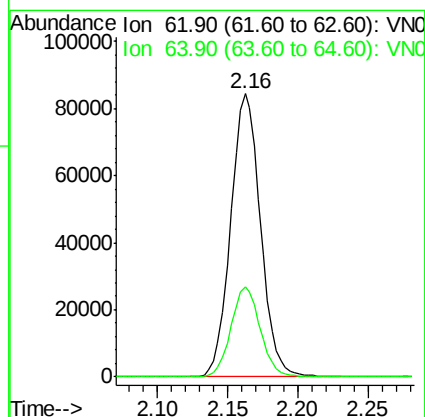
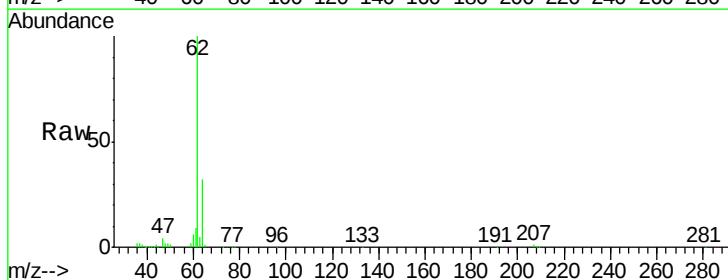
Acq: 28 Feb 2020 19:36

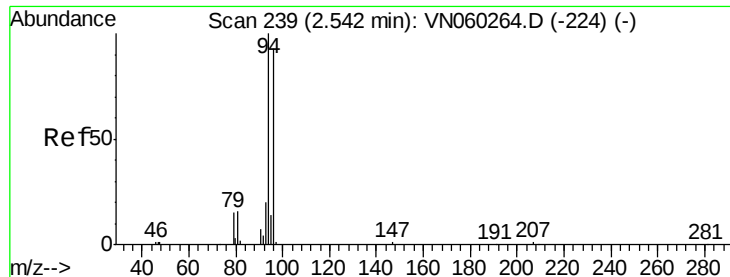
Tgt Ion: 62 Resp: 124690

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 39.762 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44113

Ion Ratio Lower Upper

94 100

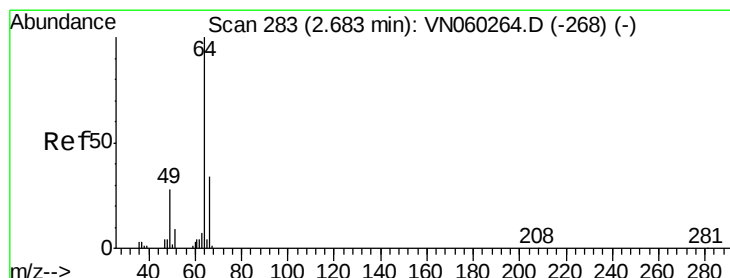
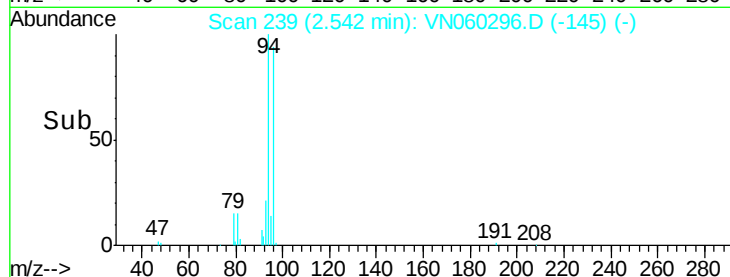
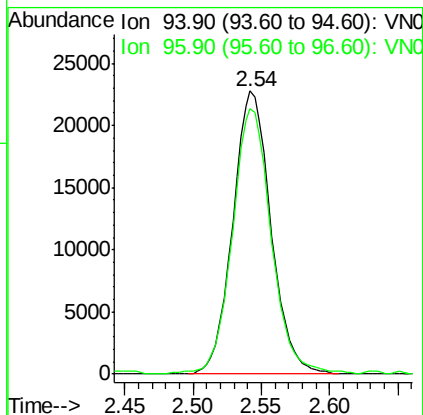
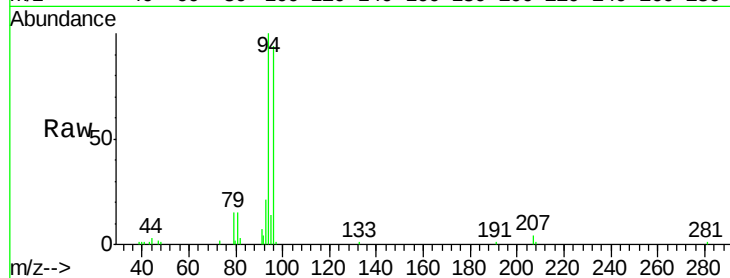
96 92.9 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

3/2/2020 11:00:47 AM



#6

Chloroethane

Concen: 45.987 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060296.D

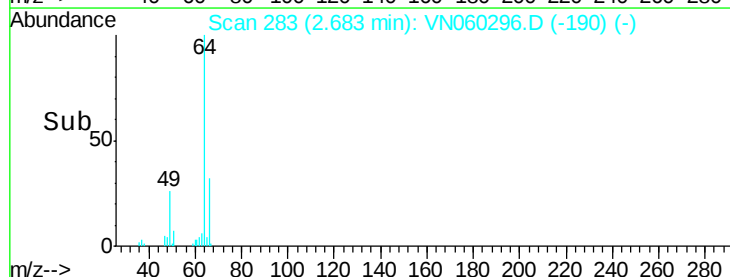
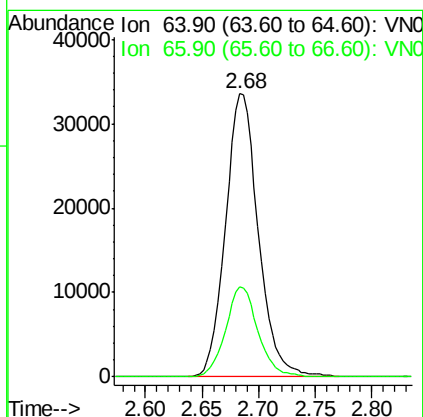
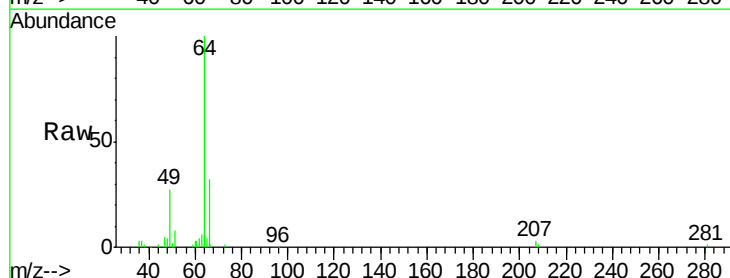
Acq: 28 Feb 2020 19:36

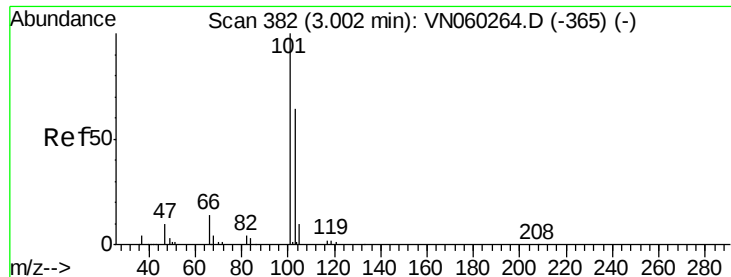
Tgt Ion: 64 Resp: 67835

Ion Ratio Lower Upper

64 100

66 31.8 27.4 41.2





#7

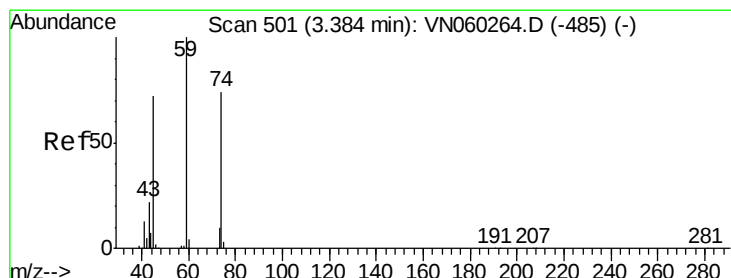
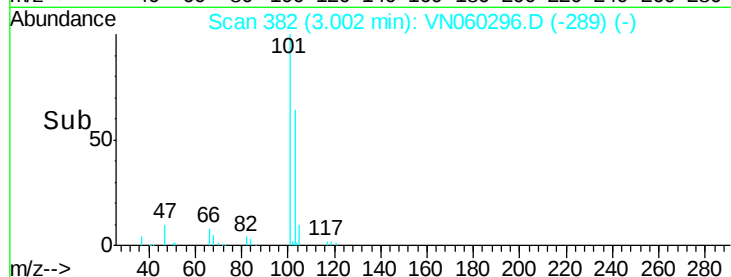
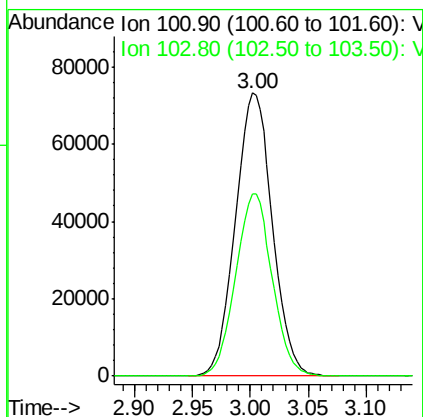
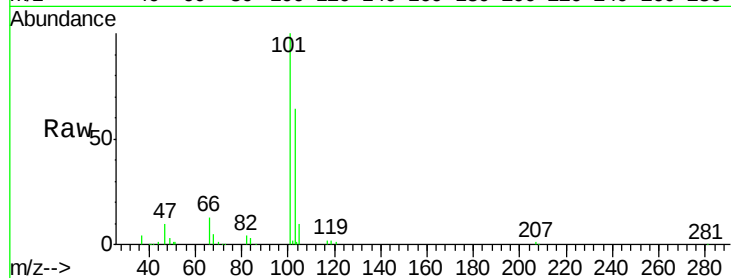
Trichlorofluoromethane
Concen: 46.490 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.3	76.9

Manual Integrations
APPROVED

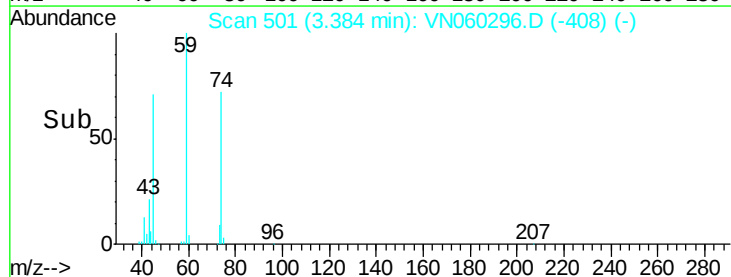
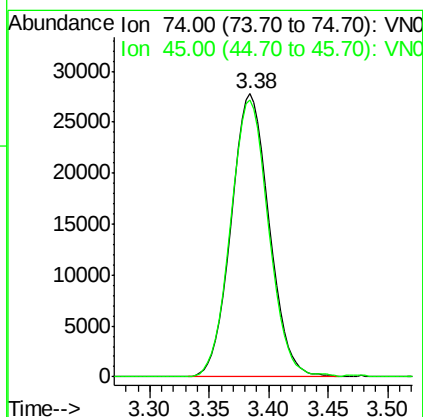
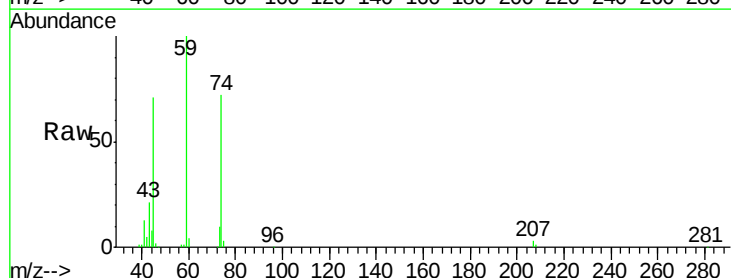
MMDadoda
3/2/2020 11:00:47 AM



#8

Diethyl Ether
Concen: 46.876 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.415 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

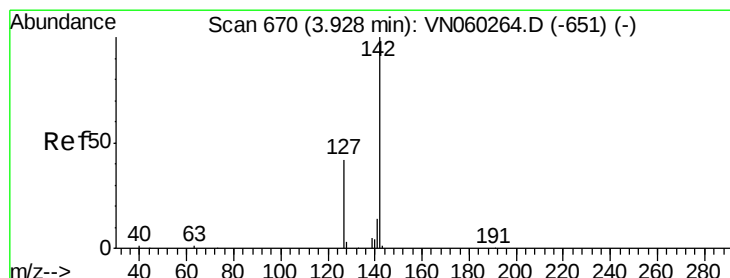
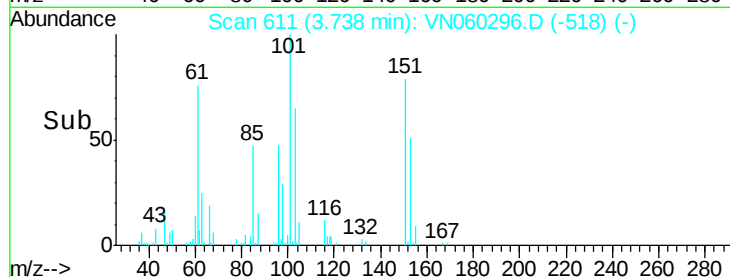
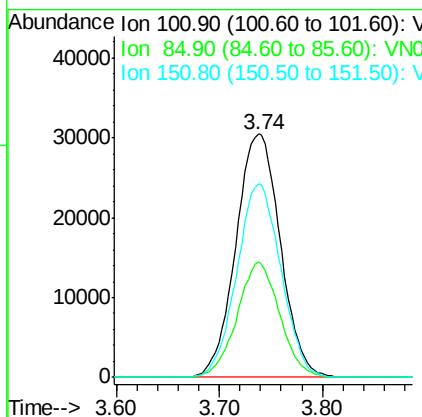
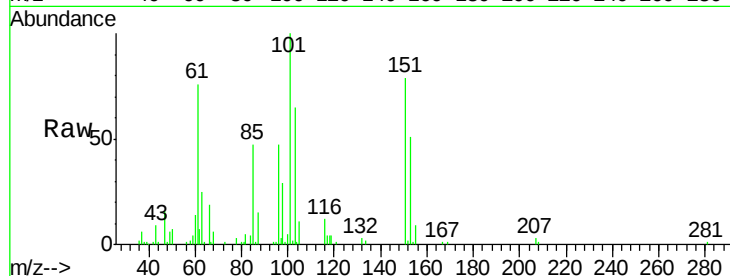
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	91373
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.4	53.2
151	78.7	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#10

Methyl Iodide

Concen: 42.587 ug/l

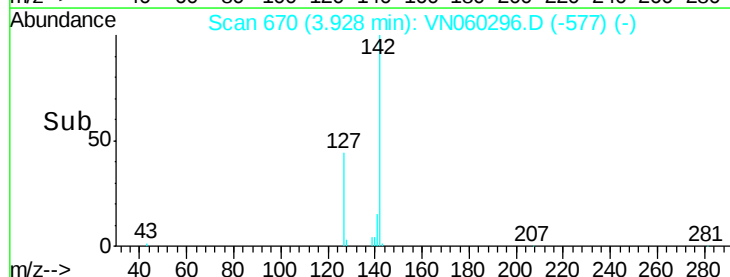
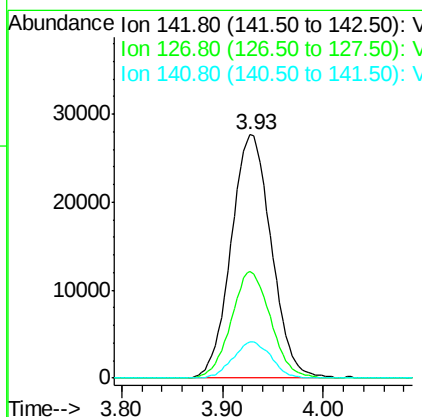
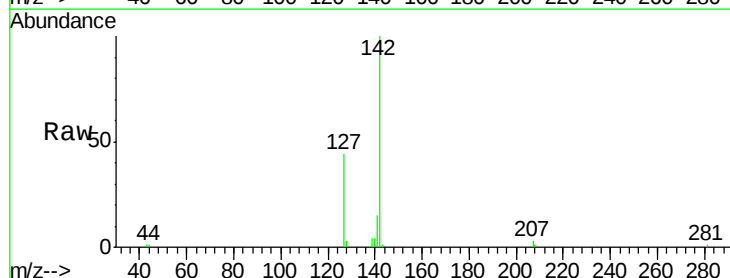
RT: 3.93 min Scan# 670

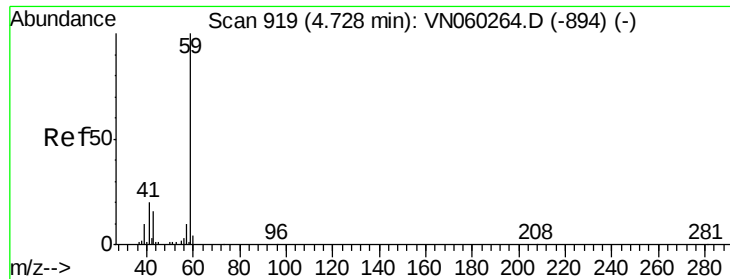
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	142	Resp:	76514
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.6
141	14.1	11.1	16.7





#11

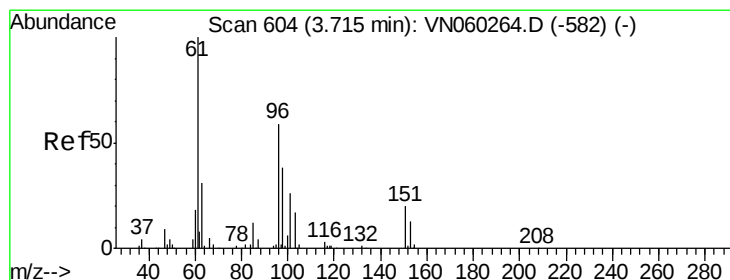
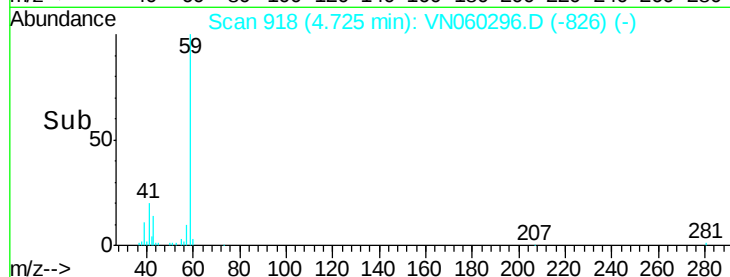
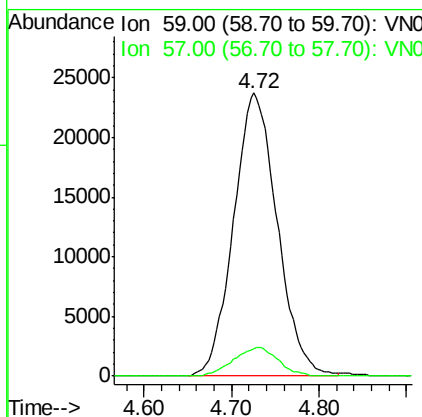
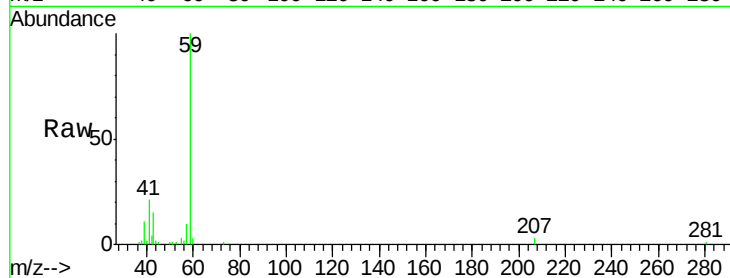
Tert butyl alcohol
 Concen: 216.221 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
 APPROVED

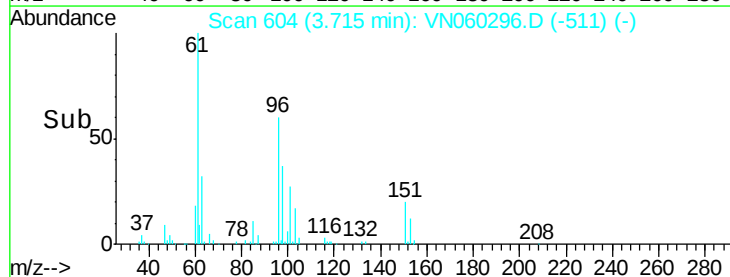
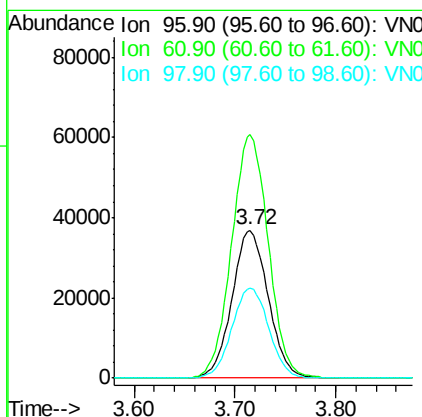
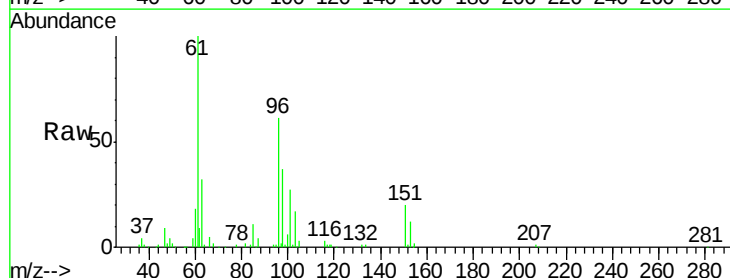
MMDadoda
 3/2/2020 11:00:47 AM

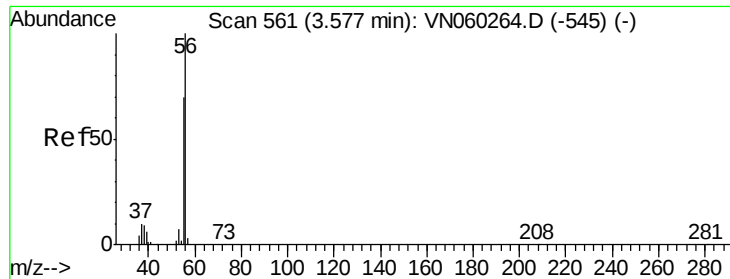


#12

1,1-Dichloroethene
 Concen: 48.164 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	135.4	203.0
98	61.2	51.6	77.4





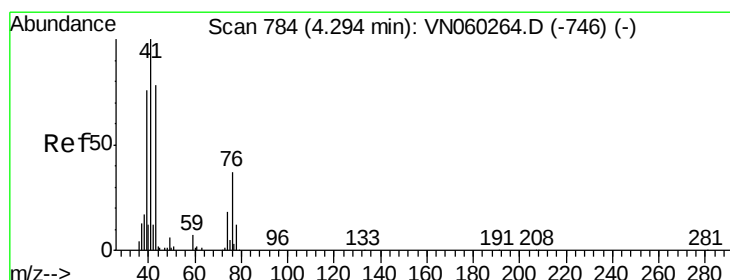
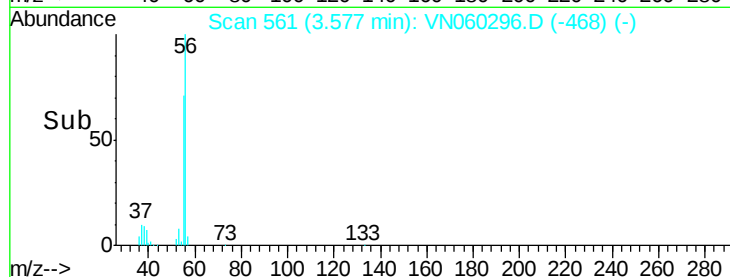
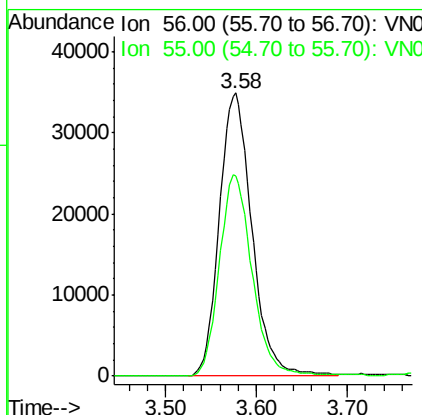
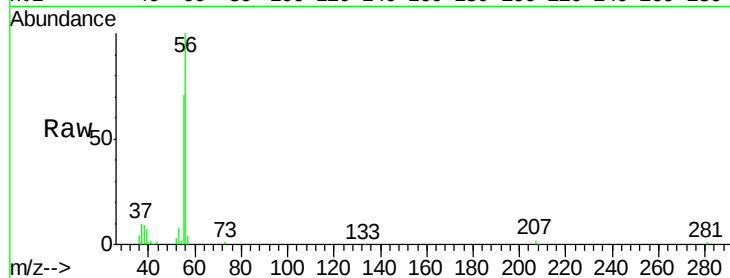
#13
Acrolein
Concen: 246.321 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	87064
Ion Ratio	Lower	Upper	
56	100		
55	71.2	57.4	86.0

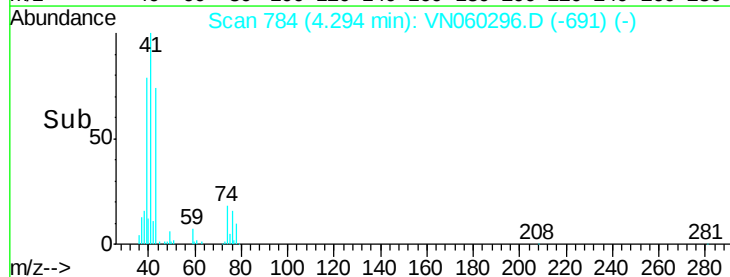
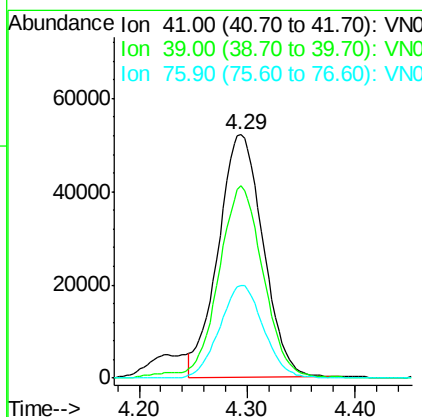
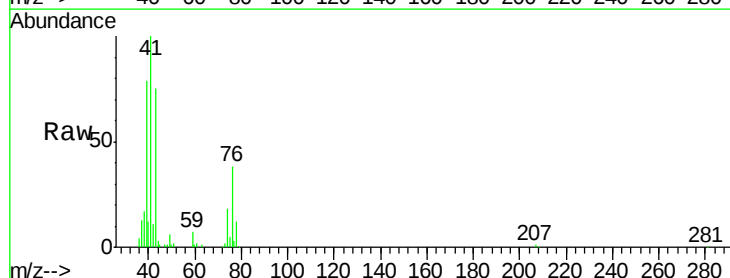
Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#14
Allyl chloride
Concen: 42.745 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	41	Resp	150583
Ion Ratio	Lower	Upper	
41	100		
39	77.4	55.4	83.2
76	37.5	27.0	40.6





#15

Acrylonitrile

Concen: 251.348 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

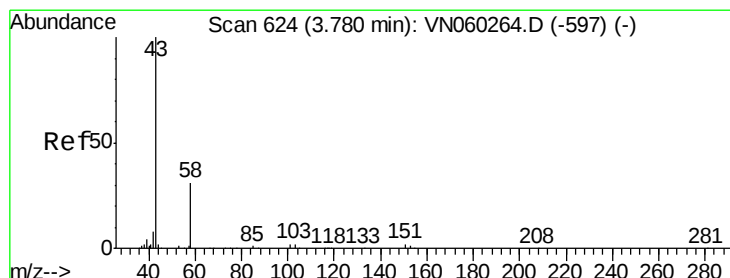
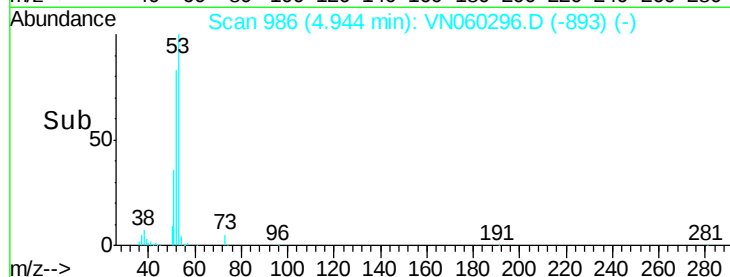
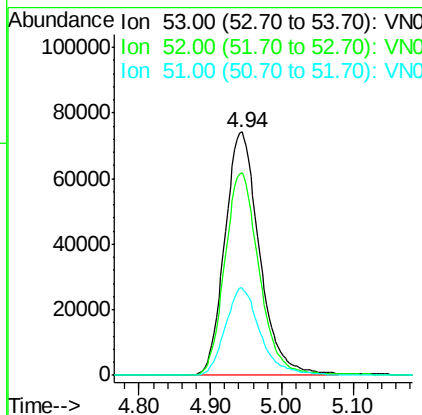
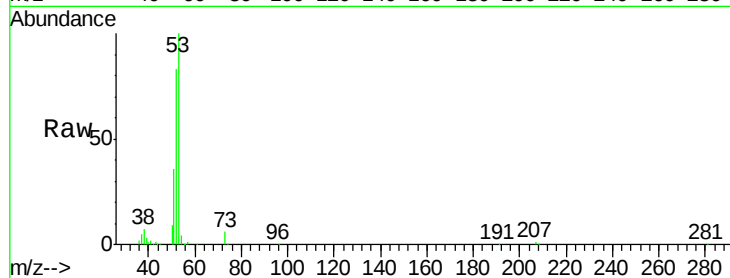
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	251008
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.8	100.2
51	36.2	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#16

Acetone

Concen: 247.217 ug/l

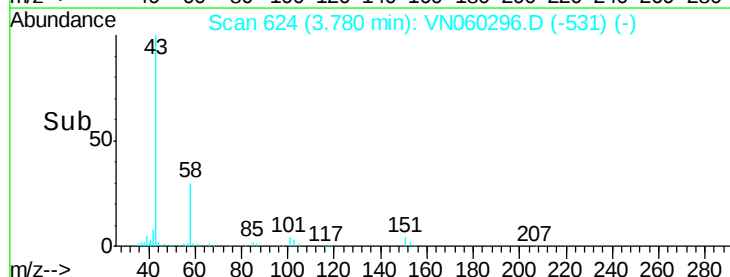
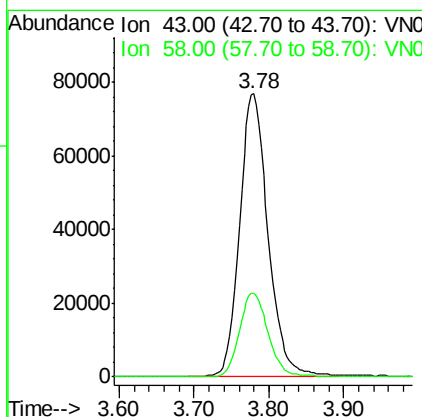
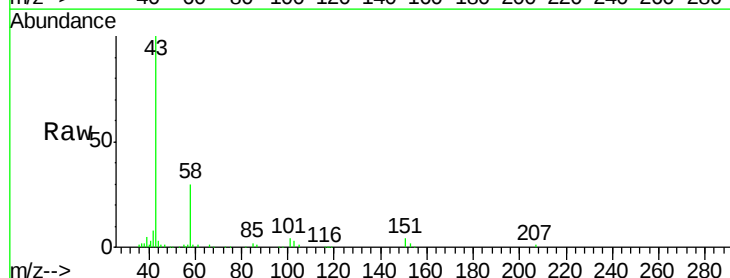
RT: 3.78 min Scan# 624

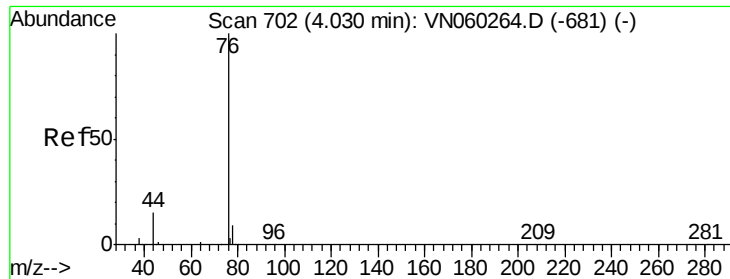
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	43	Resp:	203703
Ion Ratio	Lower	Upper	
43	100		
58	29.8	24.6	36.8





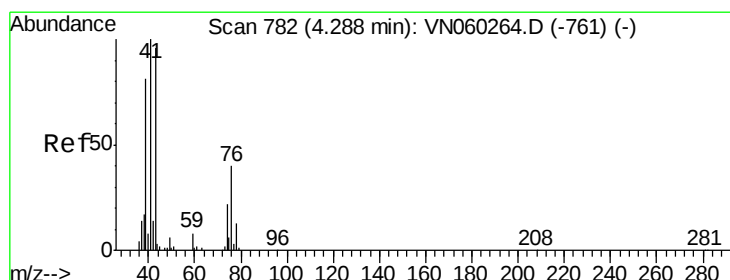
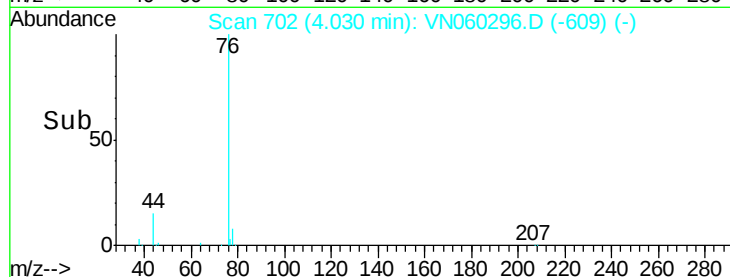
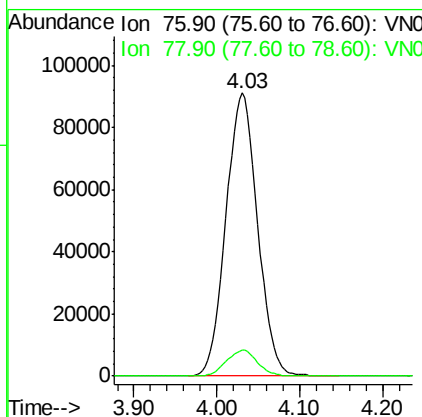
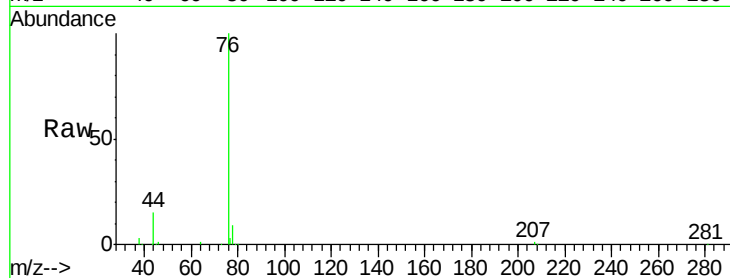
#17
Carbon Disulfide
Concen: 47.645 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

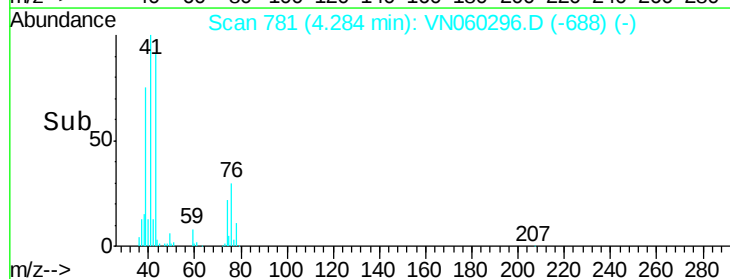
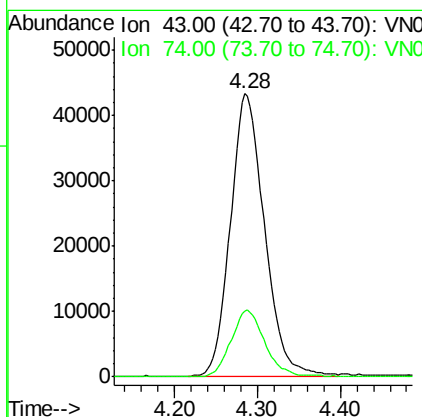
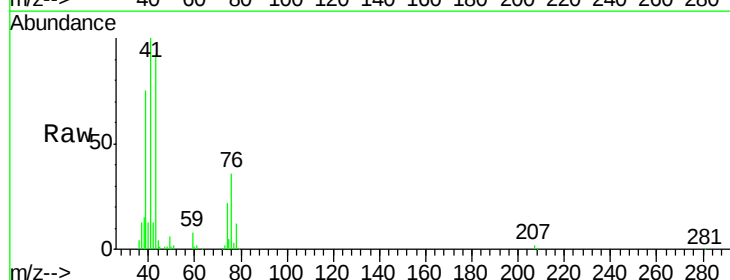
Manual Integrations
APPROVED

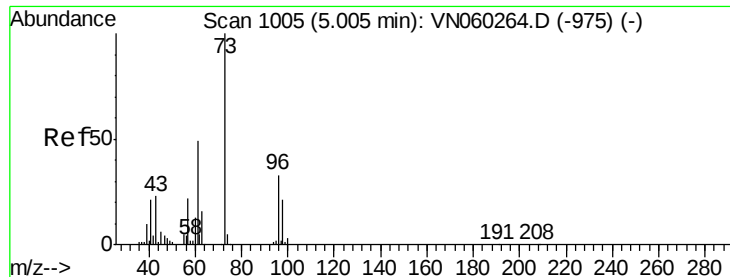
MMDadoda
3/2/2020 11:00:47 AM



#18
Methyl Acetate
Concen: 45.283 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.8	28.2





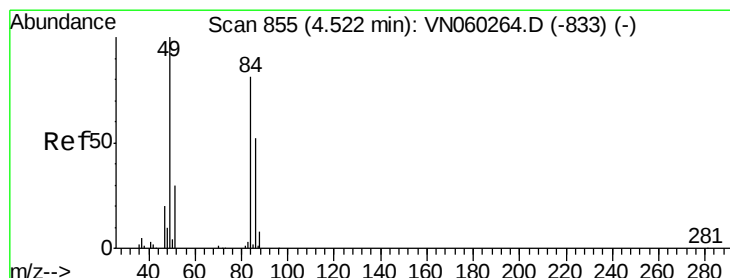
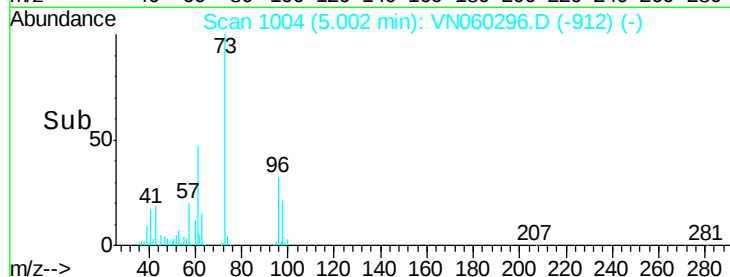
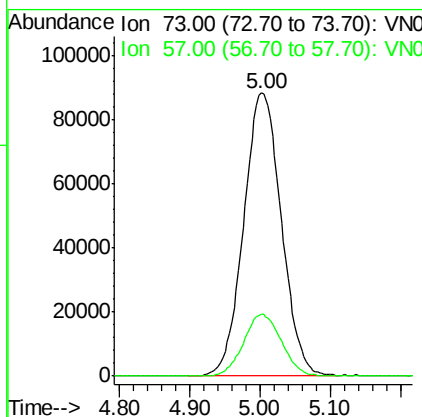
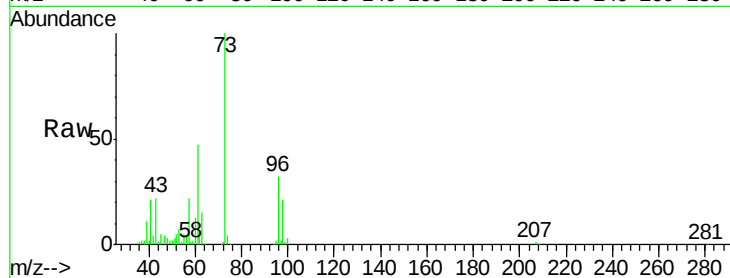
#19
Methvl tert-butvl Ether
Concen: 47.490 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	329436
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.3	25.9

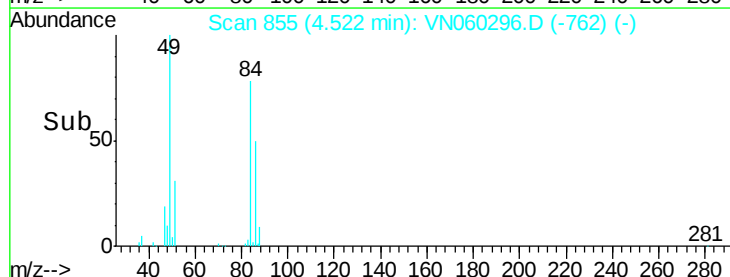
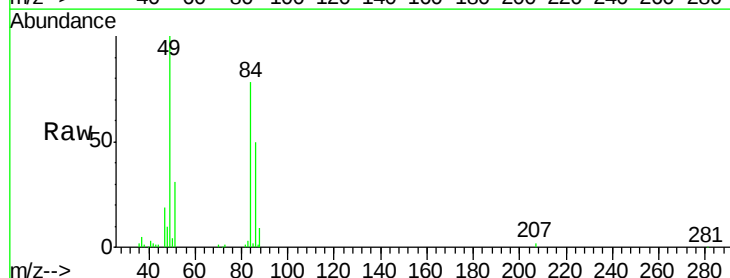
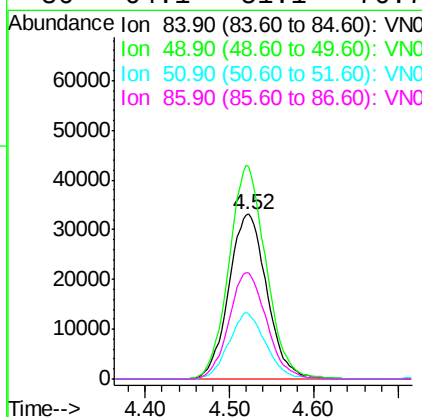
Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#20
Methylene Chloride
Concen: 46.015 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	84	Resp	104129
Ion	Ratio	Lower	Upper
84	100		
49	128.4	99.3	148.9
51	39.5	30.1	45.1
86	64.1	51.1	76.7





#21

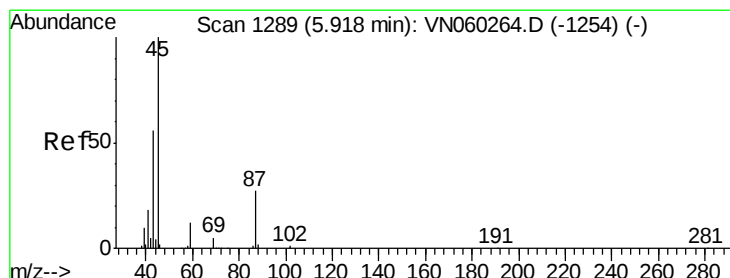
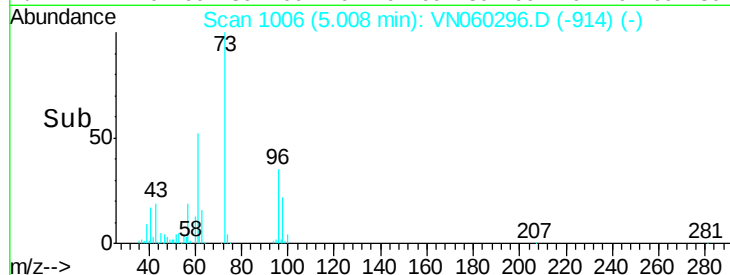
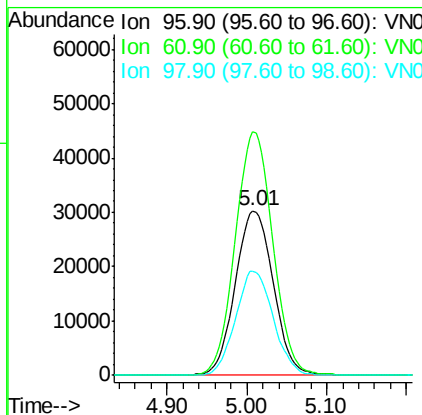
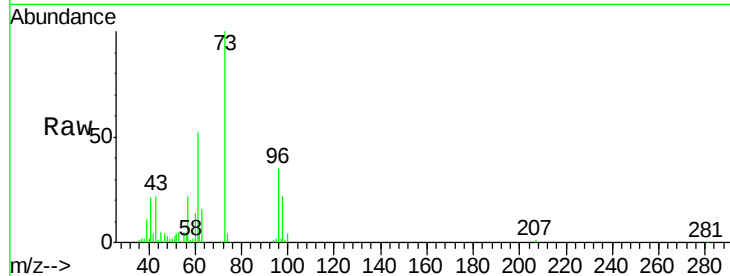
trans-1,2-Dichloroethene
Concen: 47.689 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	113.8	170.8
98	63.6	48.8	73.2

Manual Integrations
APPROVED

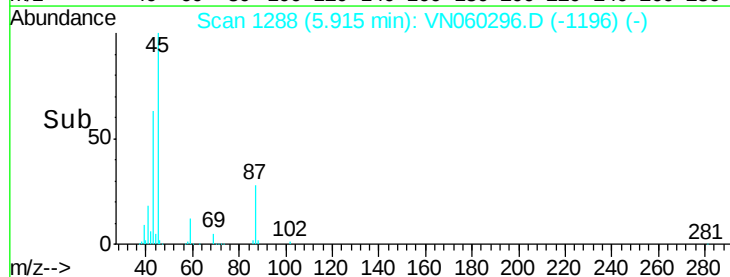
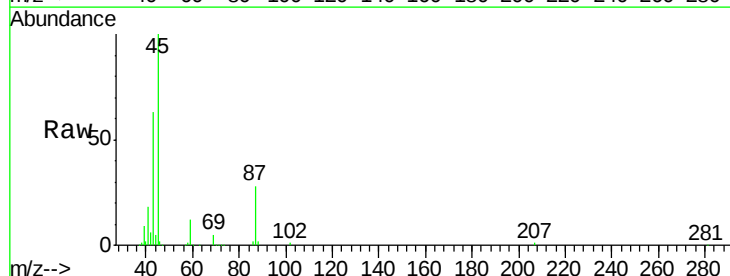
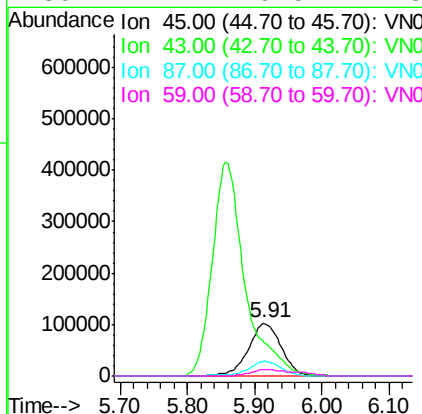
MMDadoda
3/2/2020 11:00:47 AM

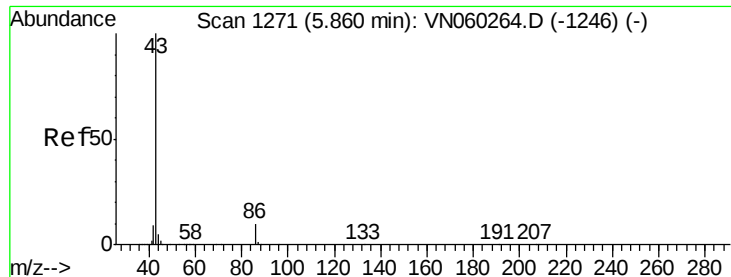


#22

Diisopropyl ether
Concen: 48.434 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	48.6	72.8
87	28.1	22.2	33.2
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 247.912 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1405733

Ion Ratio Lower Upper

43 100

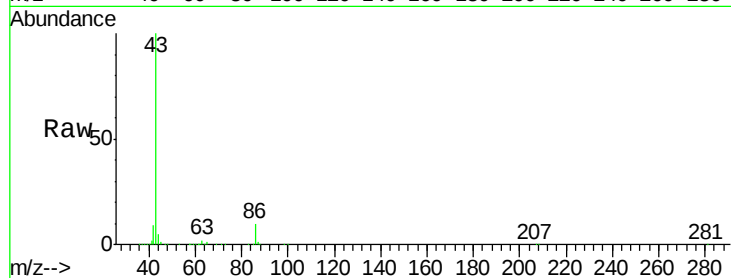
86 9.9 8.0 12.0

Manual Integrations

APPROVED

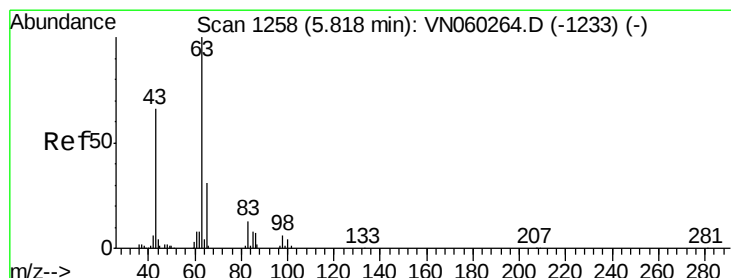
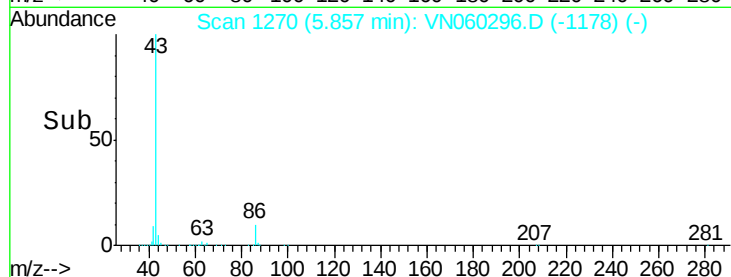
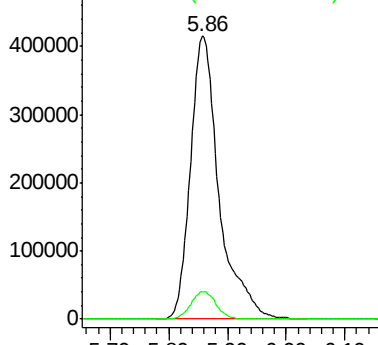
MMDadoda

3/2/2020 11:00:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.836 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

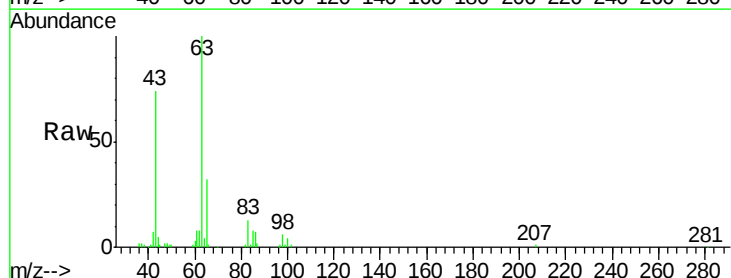
Tgt Ion: 63 Resp: 193223

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

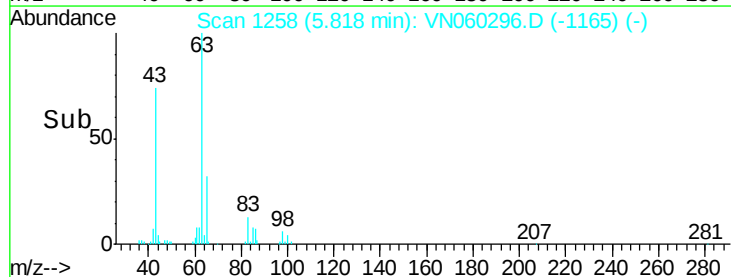
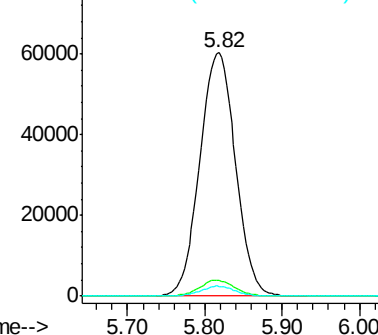
100 4.1 2.0 6.0



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





#25

2-Butanone

Concen: 246.640 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 328261

Ion Ratio Lower Upper

43 100

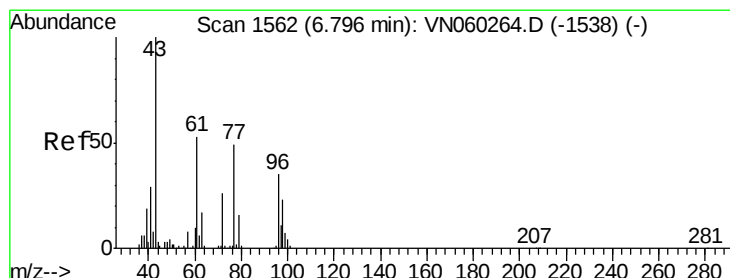
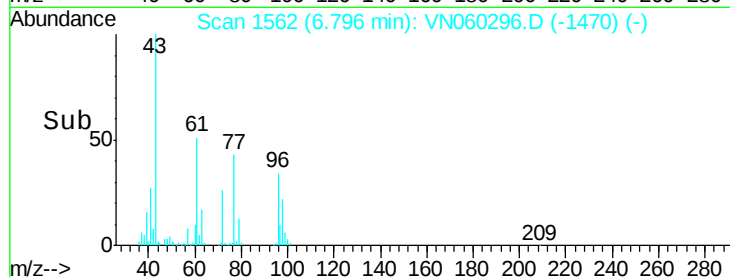
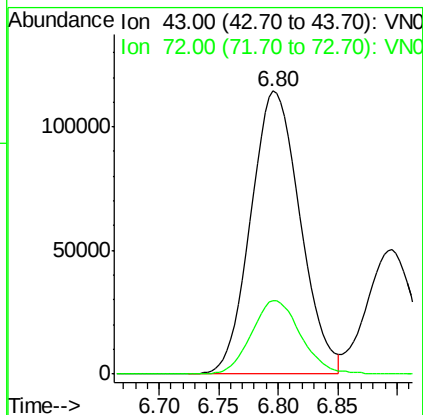
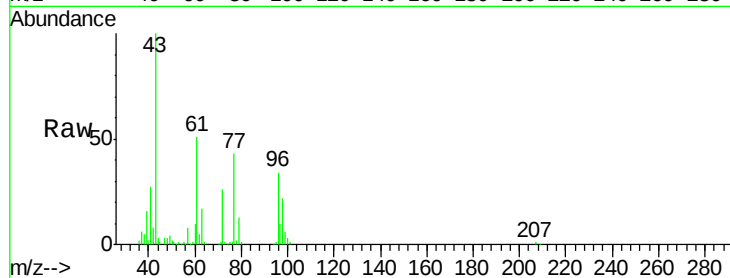
72 26.0 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/2/2020 11:00:47 AM



#26

2,2-Dichloropropane

Concen: 42.870 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060296.D

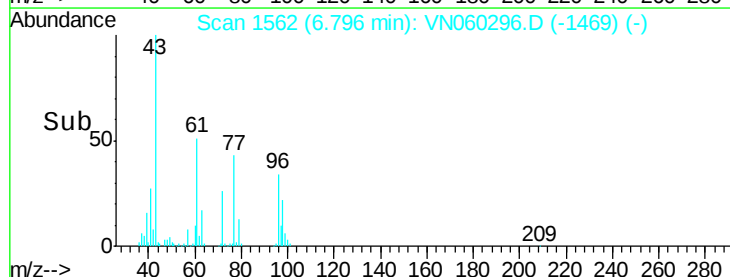
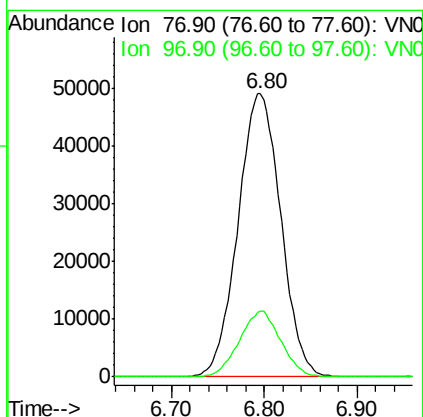
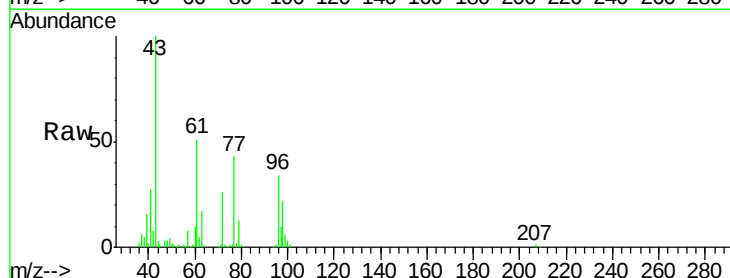
Acq: 28 Feb 2020 19:36

Tgt Ion: 77 Resp: 157647

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 43.937 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

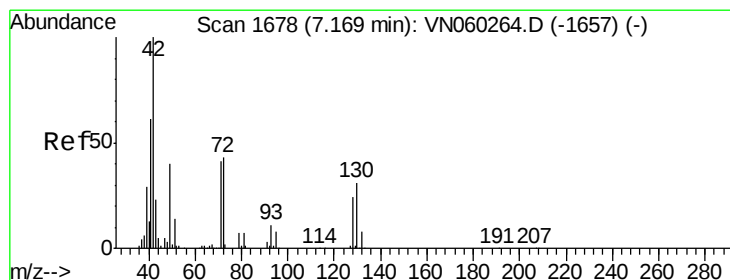
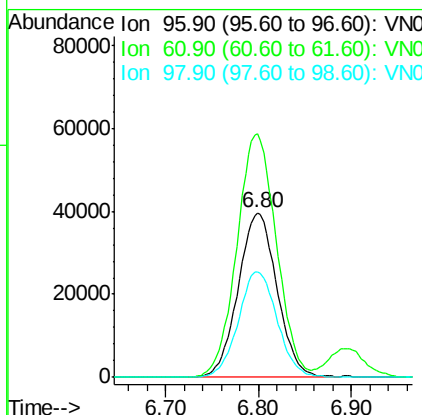
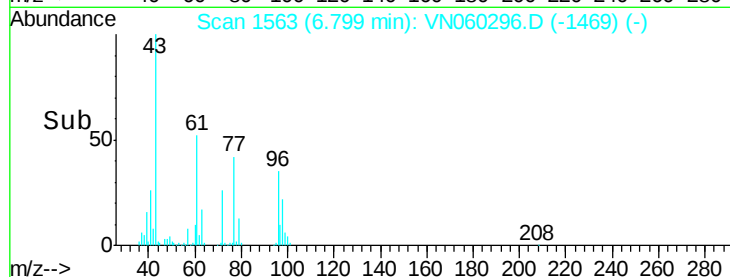
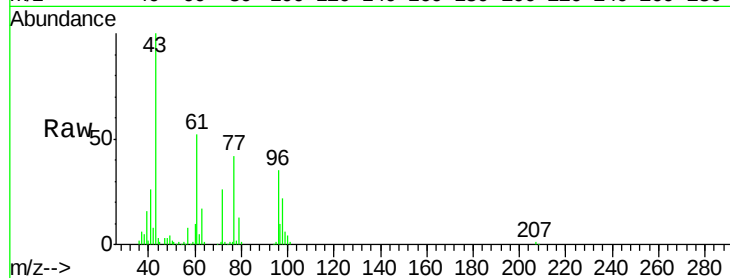
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	115289
Ion Ratio	Lower	Upper	
96	100		
61	150.3	0.0	300.8
98	64.2	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#28

Bromochloromethane

Concen: 45.931 ug/l

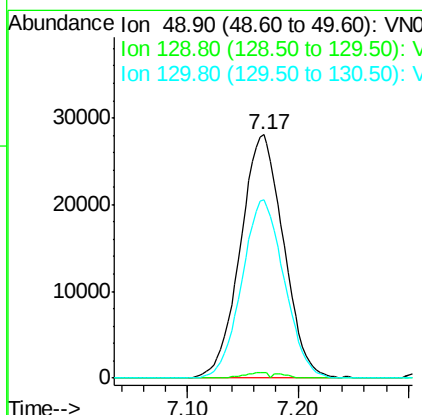
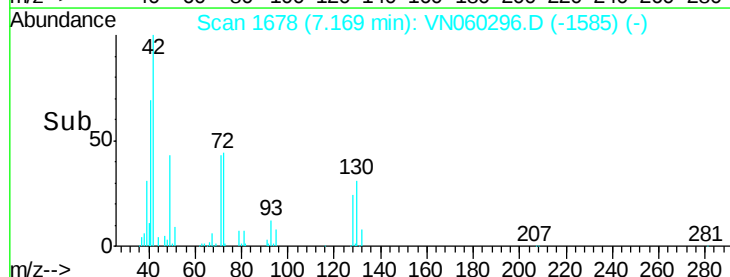
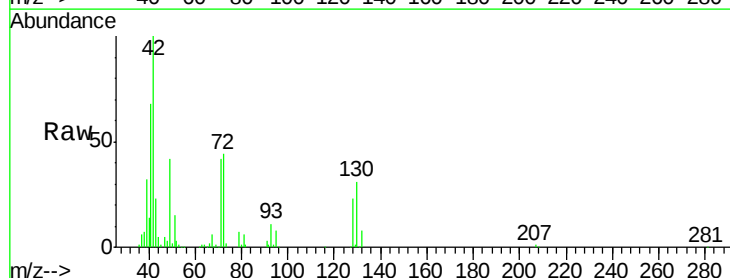
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	49	Resp:	76175
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	3.8
130	71.7	59.8	89.8





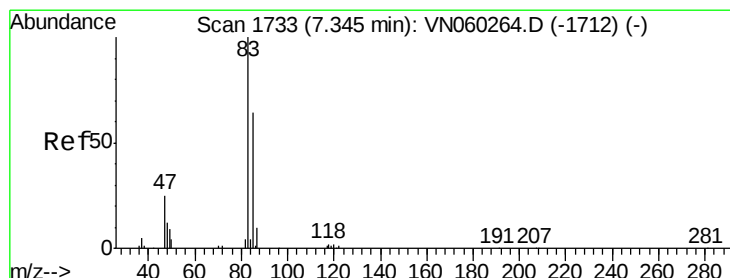
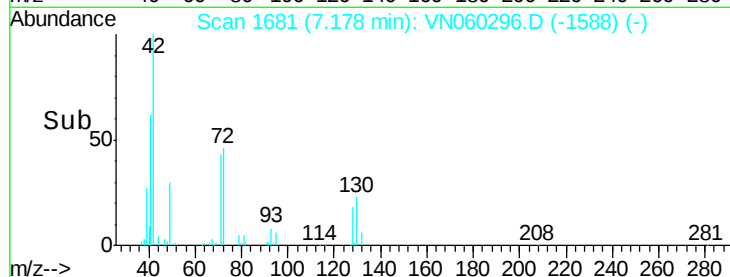
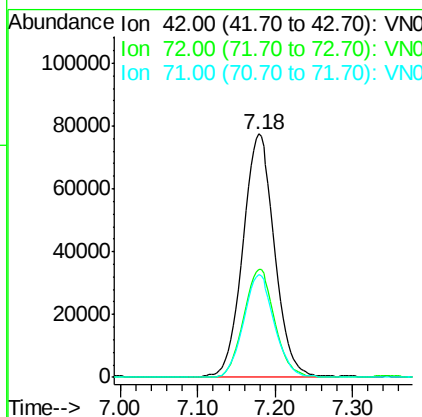
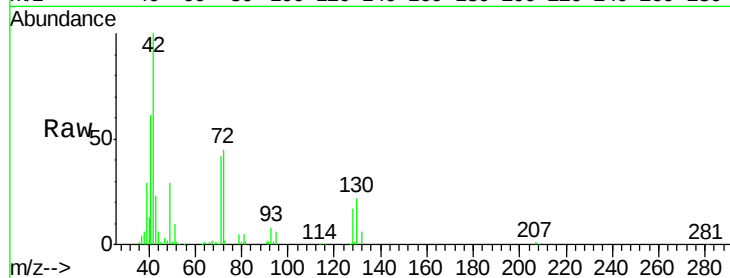
#29
Tetrahydrofuran
Concen: 238.969 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	52.0
71	41.1	32.9	49.3

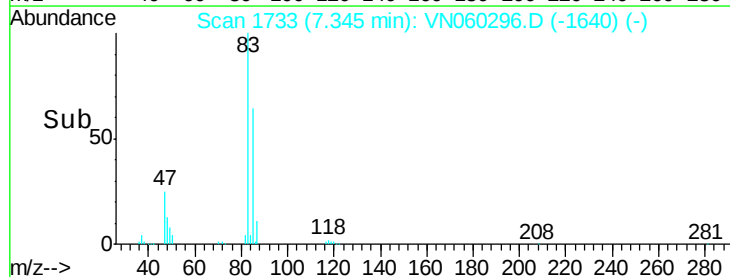
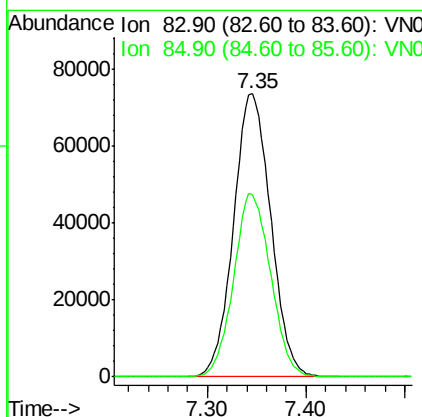
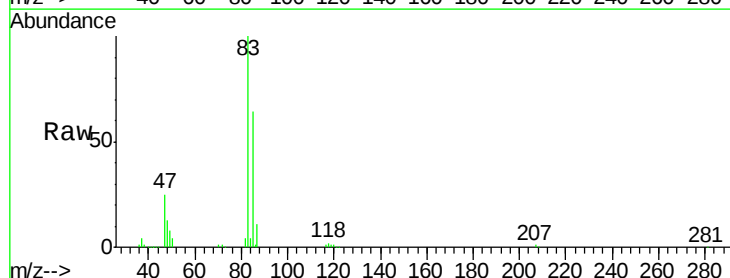
Manual Integrations
APPROVED

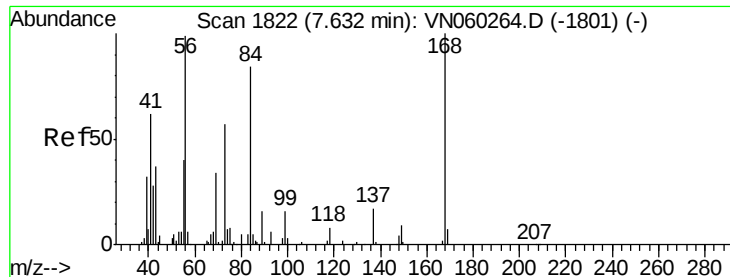
MMDadoda
3/2/2020 11:00:47 AM



#30
Chloroform
Concen: 47.938 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2





#31

Cyclohexane

Concen: 48.827 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

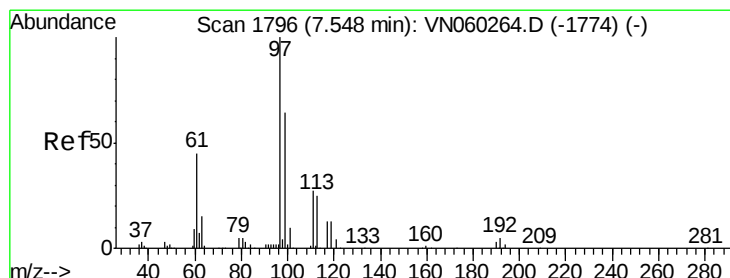
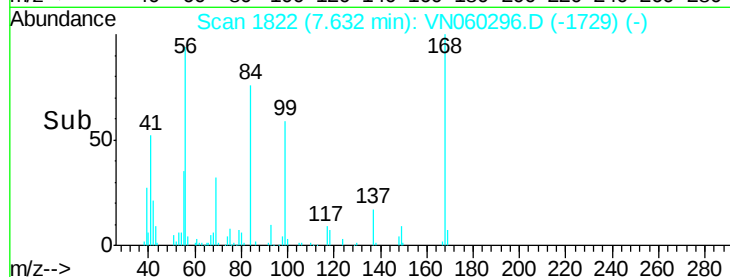
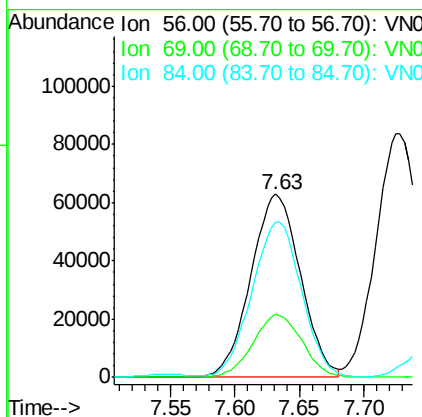
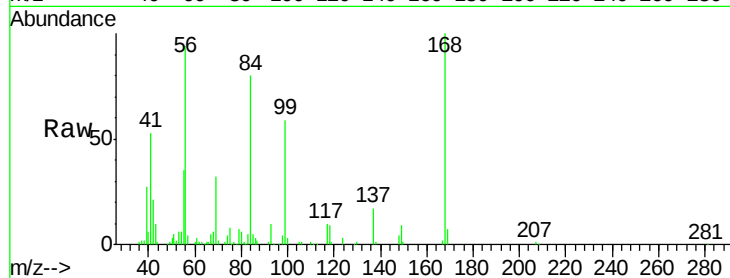
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	168413
Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.2	40.8
84	83.7	66.7	100.1

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#32

1,1,1-Trichloroethane

Concen: 47.568 ug/l

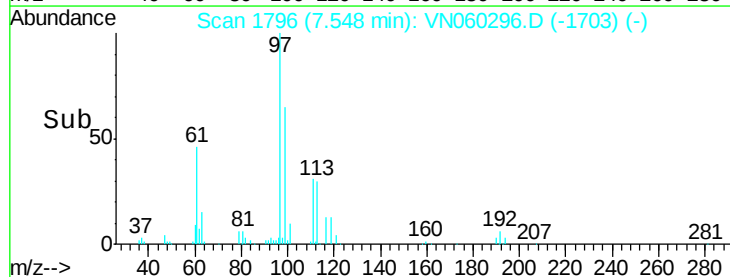
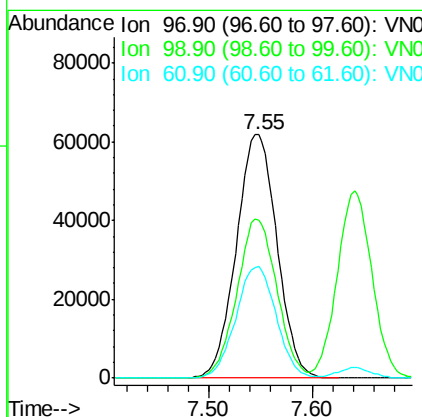
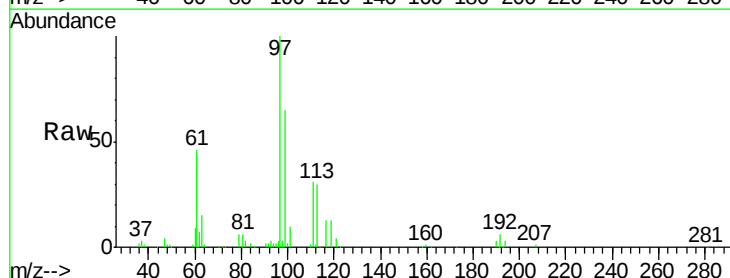
RT: 7.55 min Scan# 1796

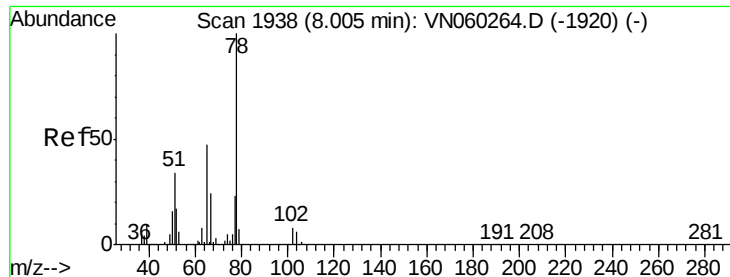
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	97	Resp:	169470
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	45.5	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 50.971 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 130056

Ion Ratio Lower Upper

65 100

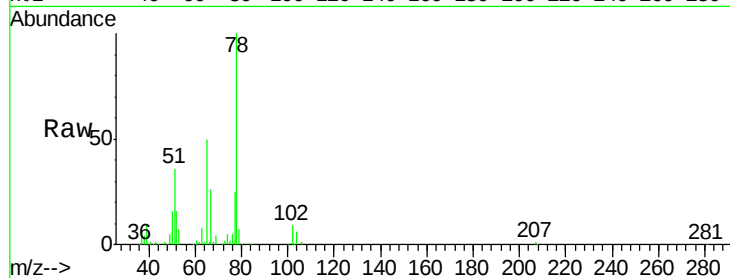
67 52.4 0.0 103.8

Manual Integrations

APPROVED

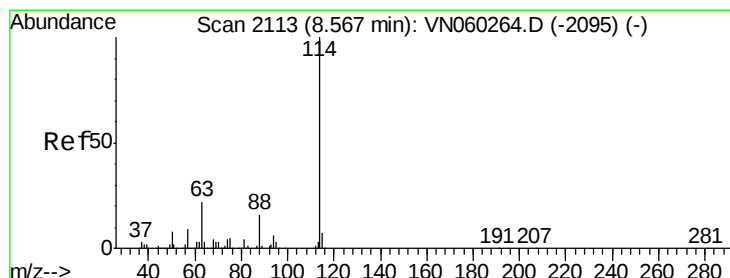
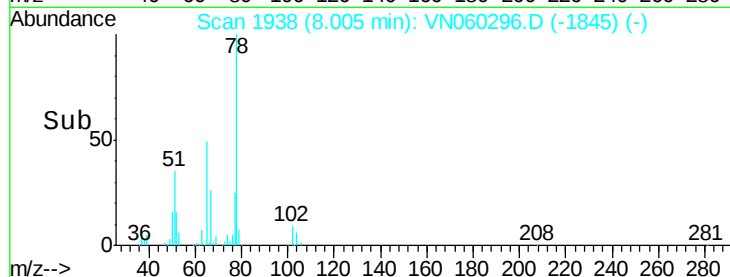
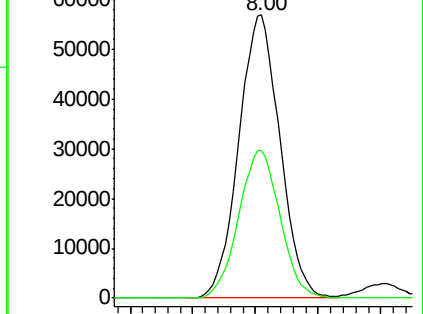
MMDadoda

3/2/2020 11:00:47 AM



Abundance Ion 64.90 (64.60 to 65.60): VN060296.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060296.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

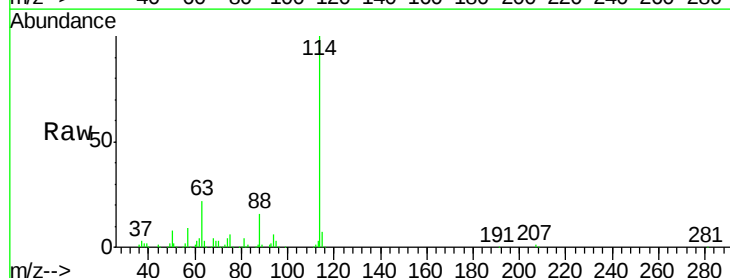
Tgt Ion: 114 Resp: 330294

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

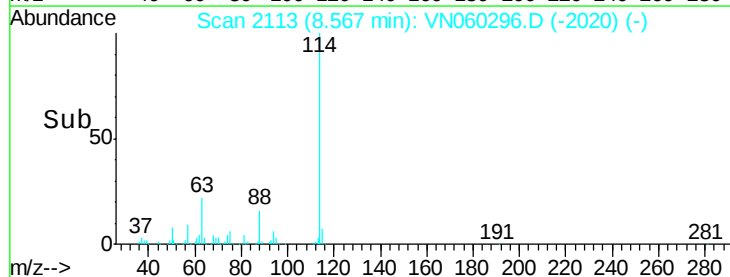
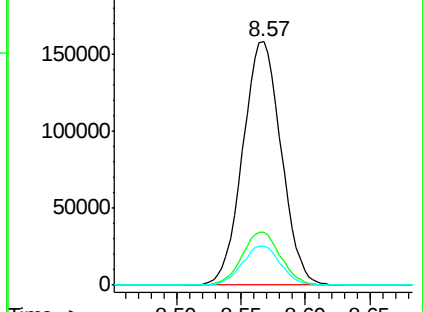
88 16.1 0.0 31.6

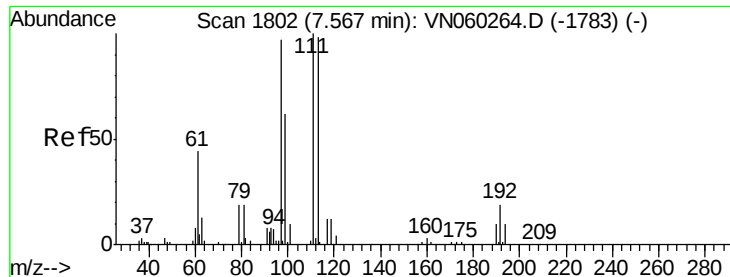


Abundance Ion 113.90 (113.60 to 114.60): VN060296.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060296.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060296.D (-2020) (-)





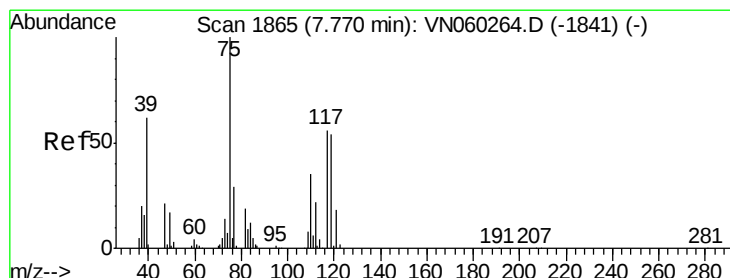
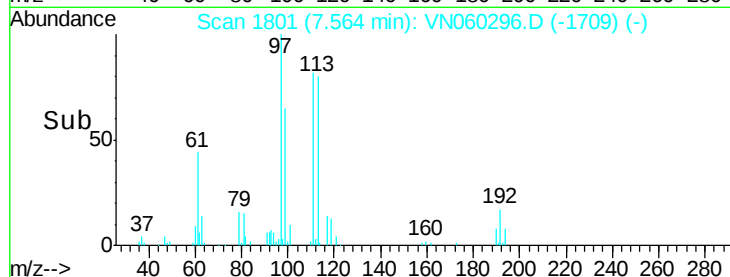
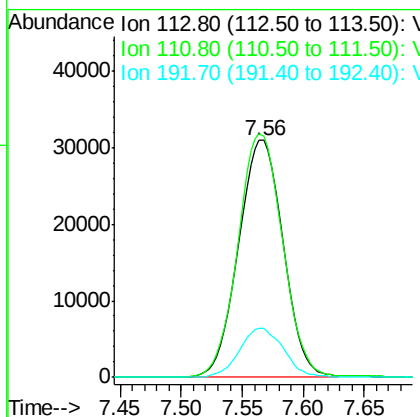
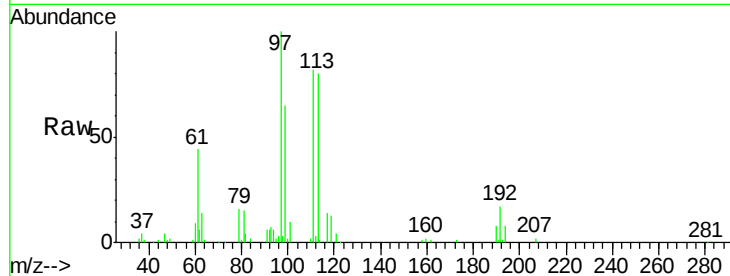
#35
Dibromofluoromethane
Concen: 51.187 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	20.3	16.2	24.2

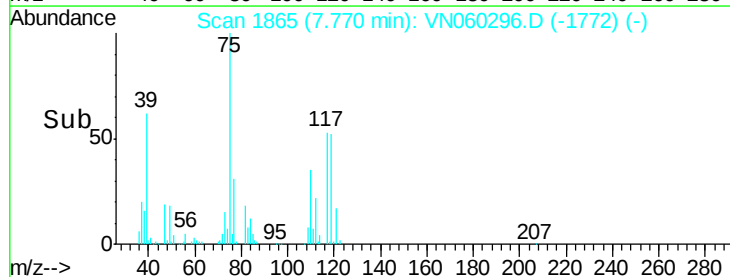
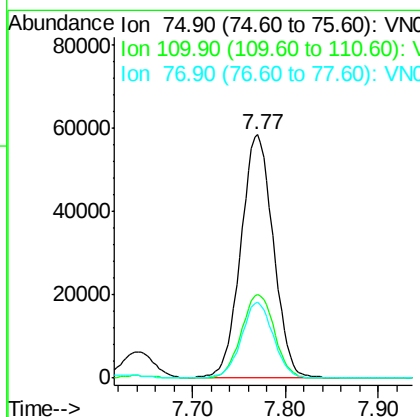
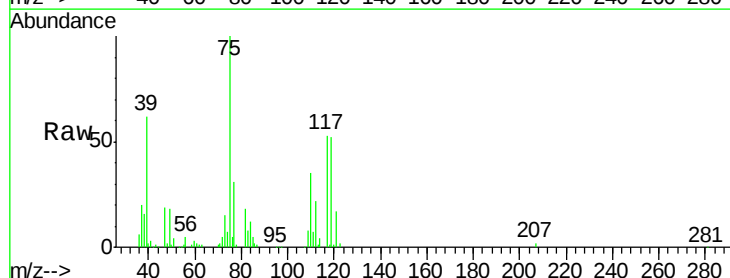
Manual Integrations
APPROVED

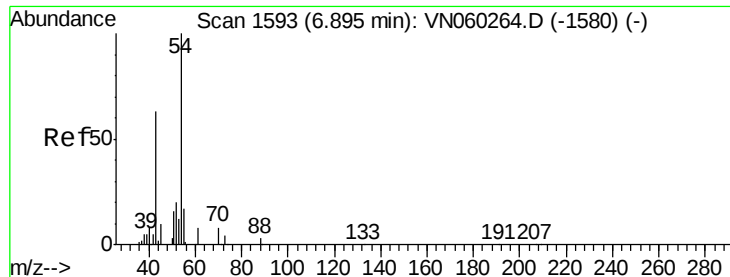
MMDadoda
3/2/2020 11:00:47 AM



#36
1,1-Dichloropropene
Concen: 44.956 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.3	52.0
77	30.7	24.2	36.2





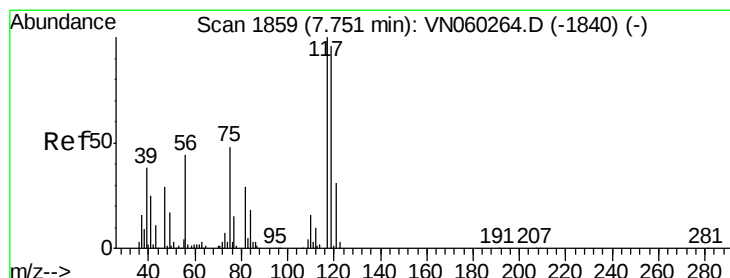
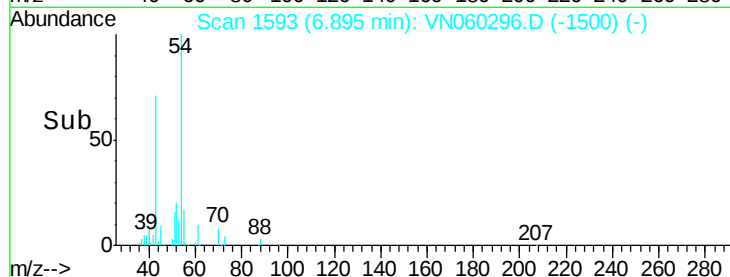
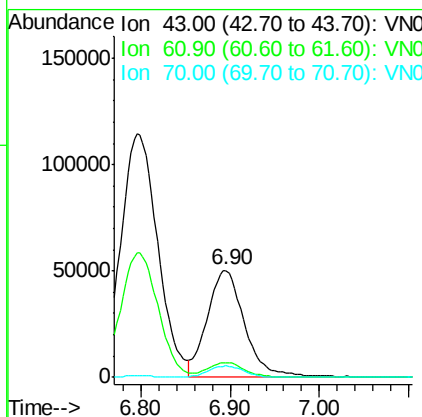
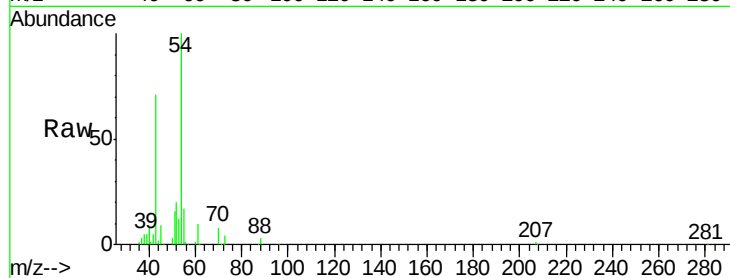
#37
Ethyl Acetate
Concen: 48.021 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	10.3	8.4	12.6

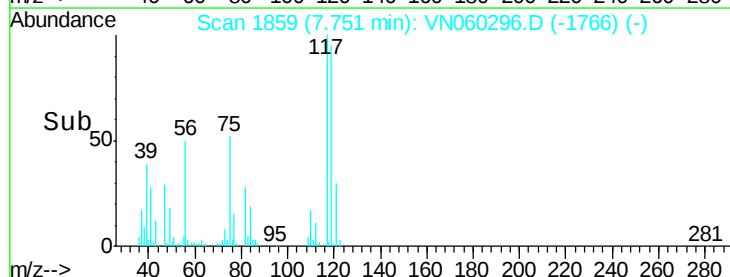
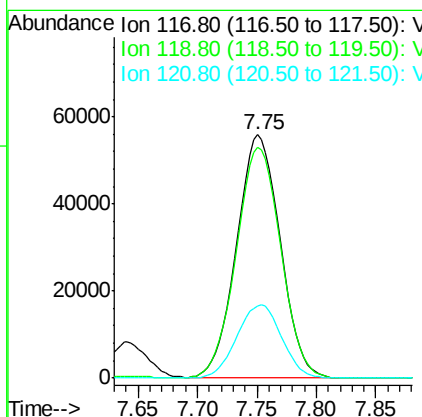
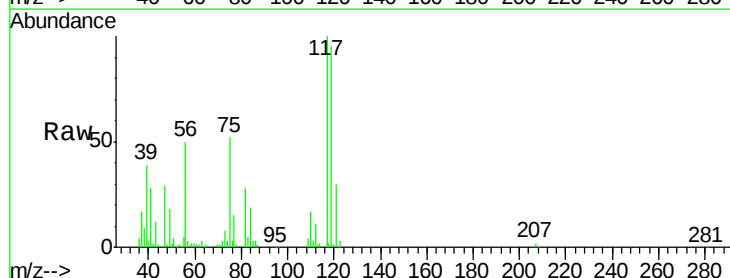
Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#38
Carbon Tetrachloride
Concen: 46.328 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.7	115.1
121	29.6	24.5	36.7





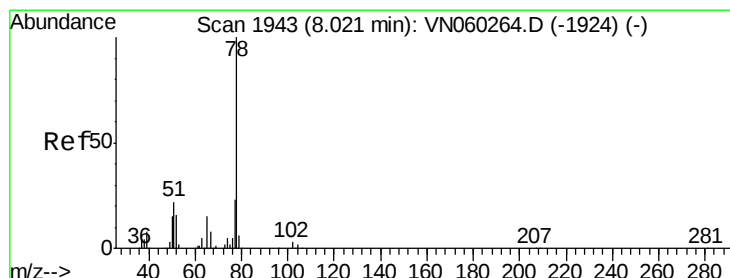
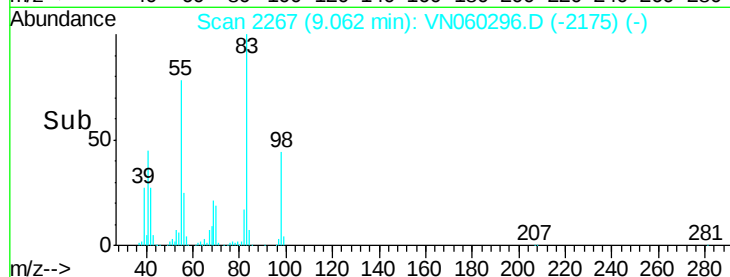
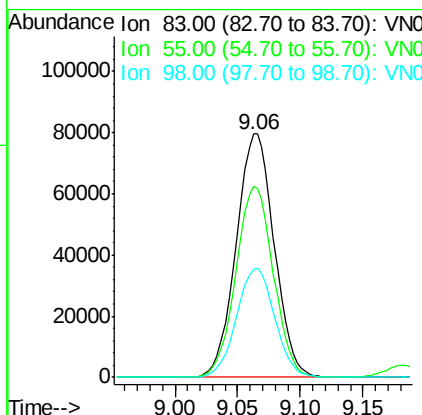
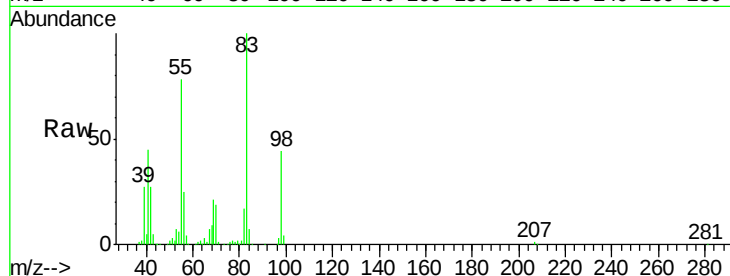
#39
Methvlcvclohexane
Concen: 45.237 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	61.0	91.4
98	44.5	36.1	54.1

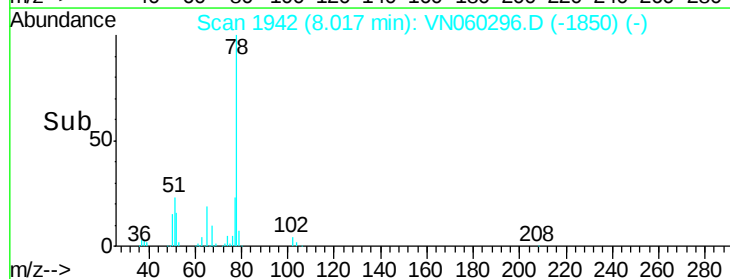
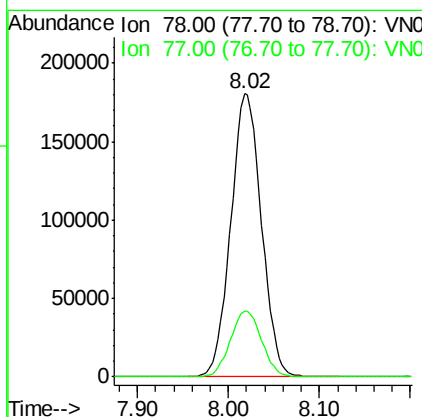
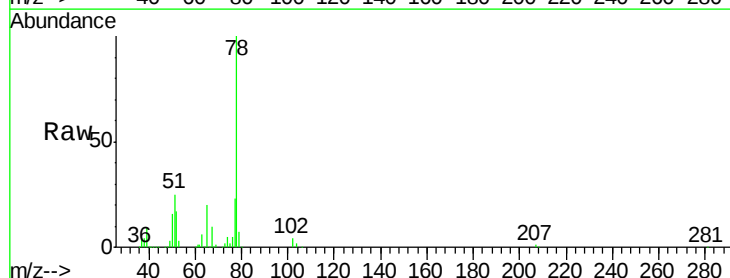
Manual Integrations
APPROVED

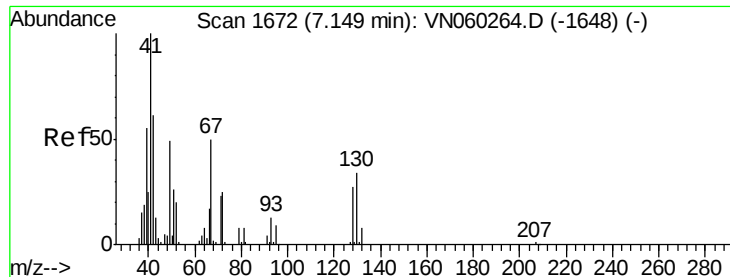
MMDadoda
3/2/2020 11:00:47 AM



#40
Benzene
Concen: 46.150 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





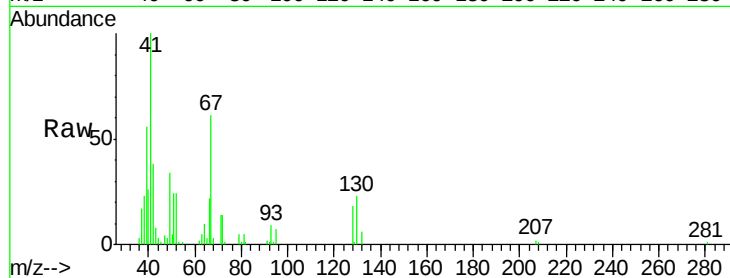
#41
Methacrylonitrile
Concen: 41.809 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

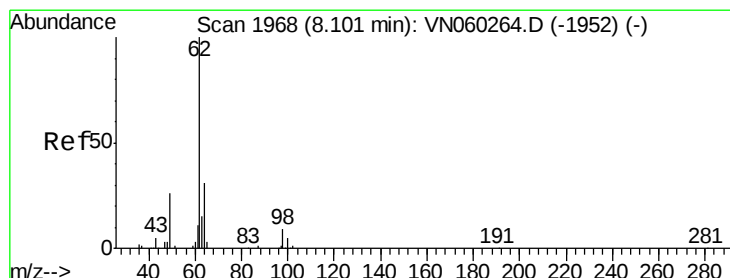
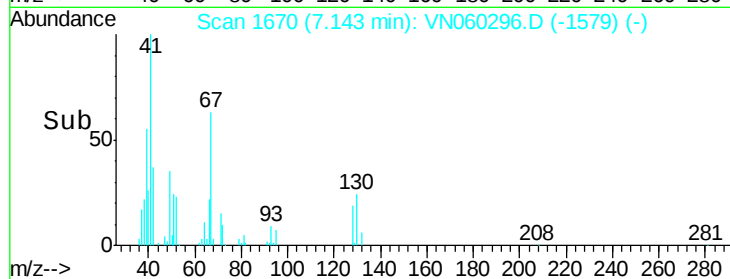
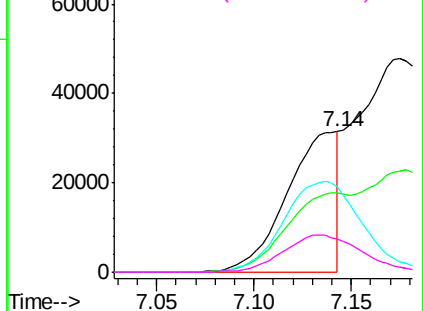
Tot Ion	41	Resp	57541
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM

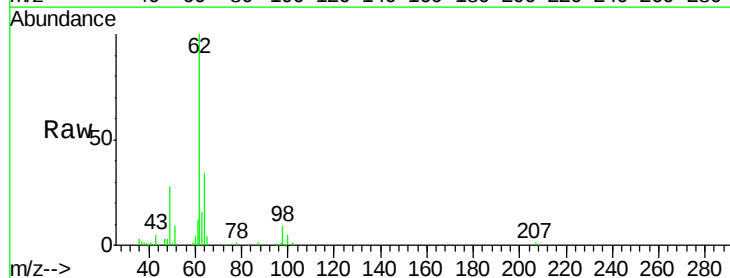


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

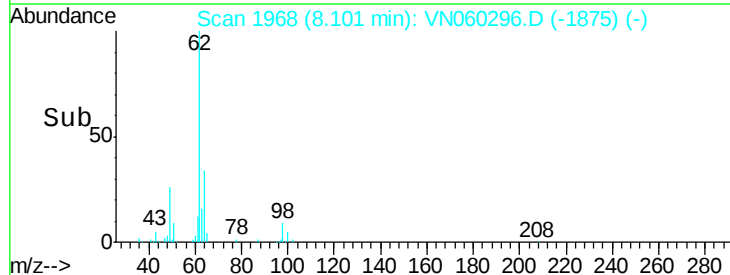
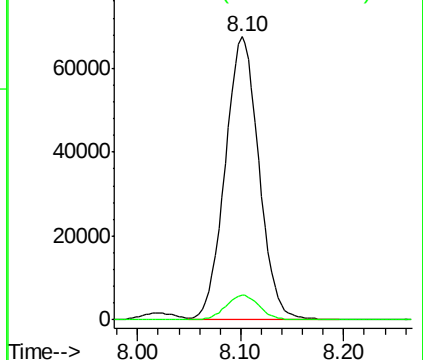


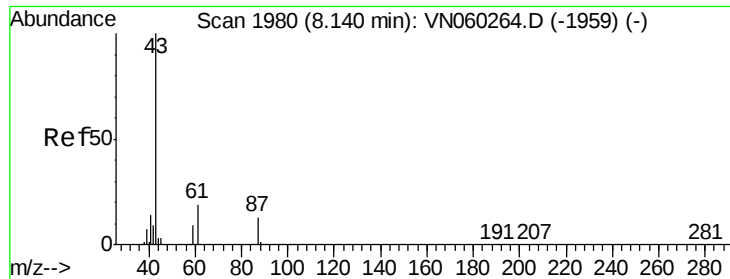
#42
1,2-Dichloroethane
Concen: 46.672 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	62	Resp	154306
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 47.783 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

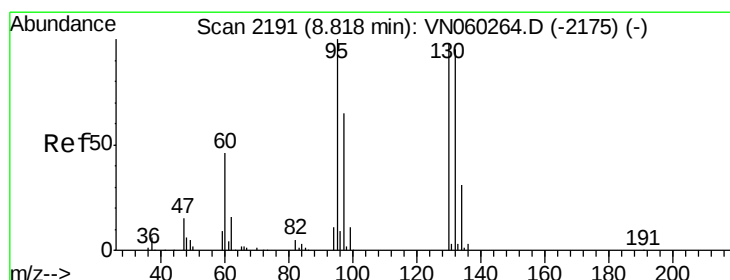
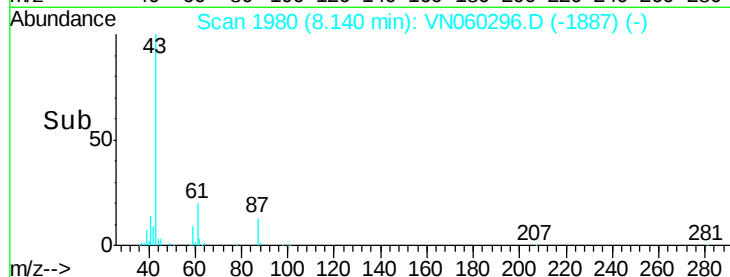
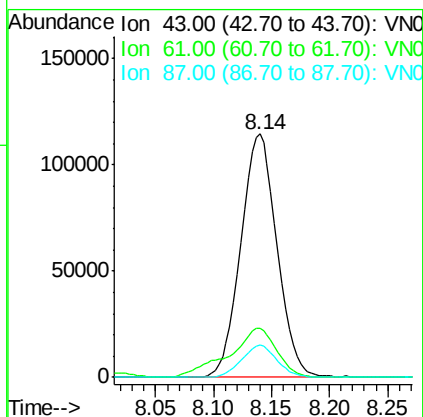
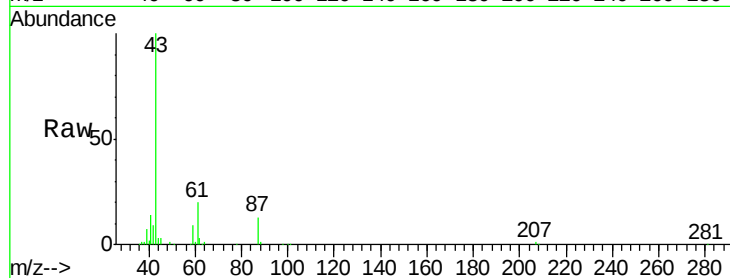
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	249337
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.9	31.3
87	12.9	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#44

Trichloroethene

Concen: 44.595 ug/l

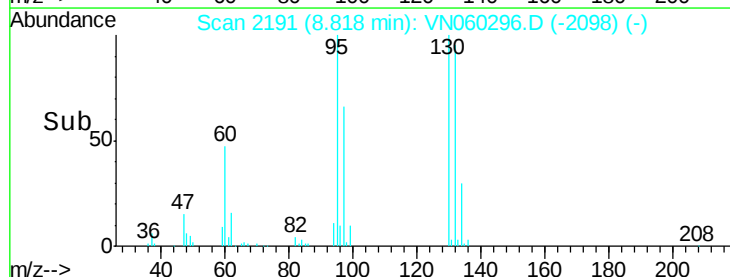
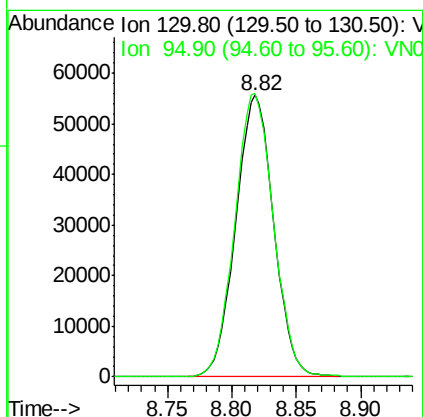
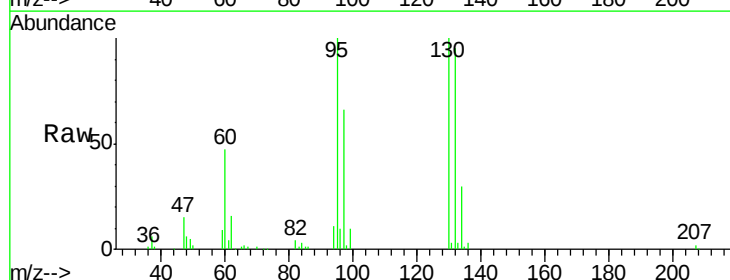
RT: 8.82 min Scan# 2191

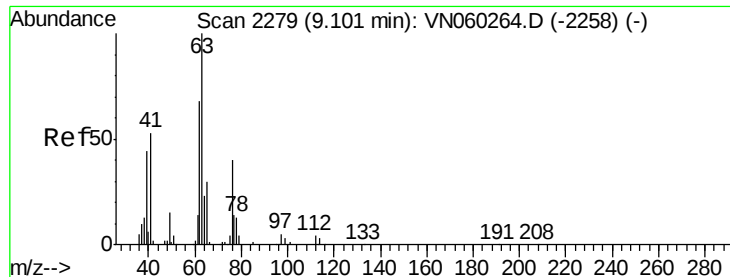
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	130	Resp:	113793
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	203.4





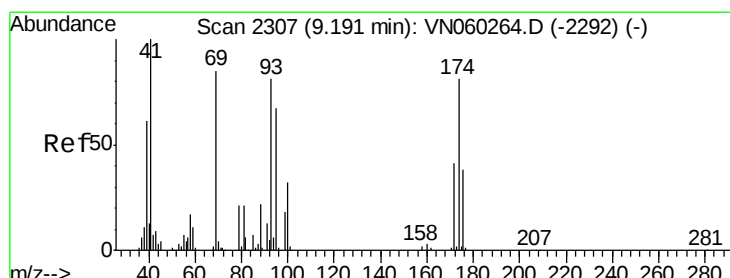
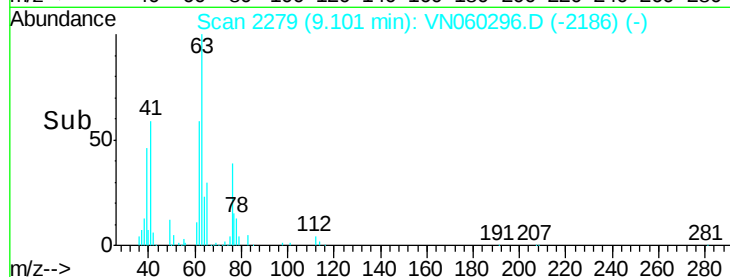
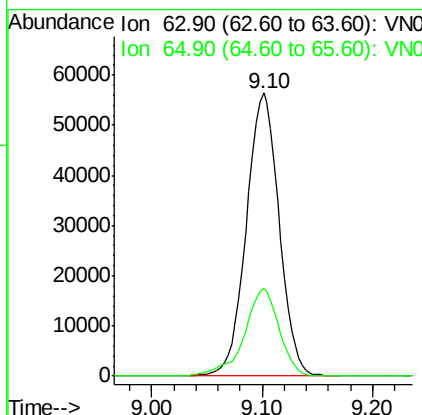
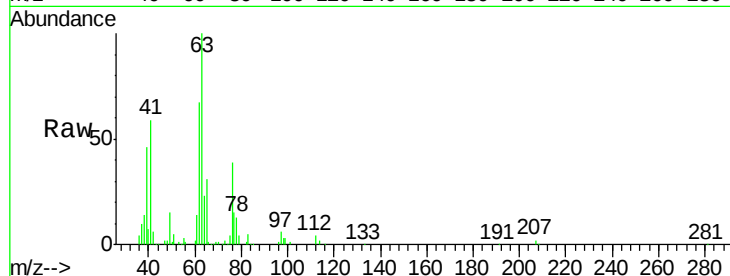
#45
 1,2-Dichloropropane
 Concen: 48.391 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.4	36.6

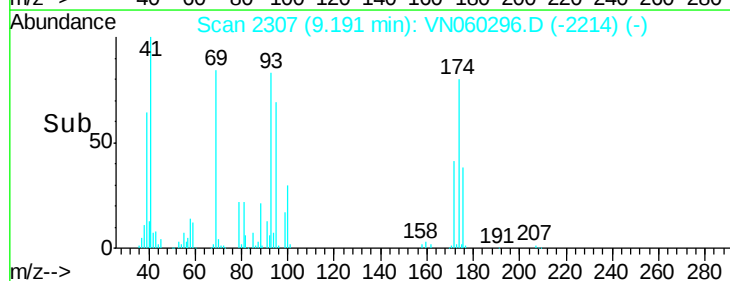
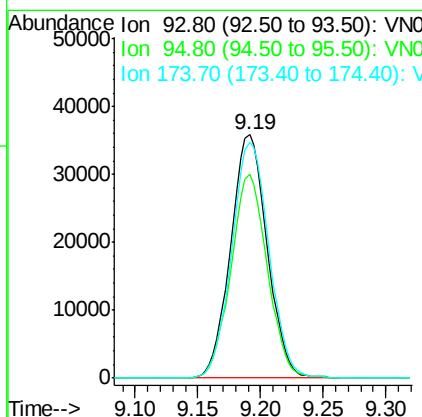
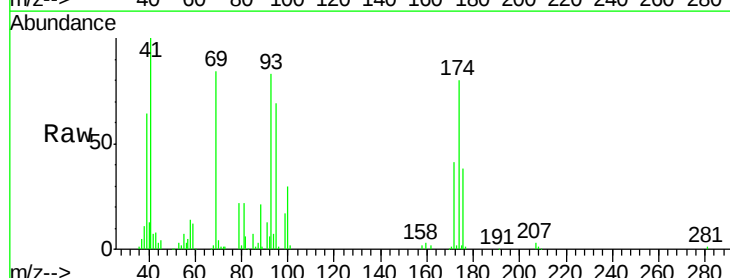
Manual Integrations
 APPROVED

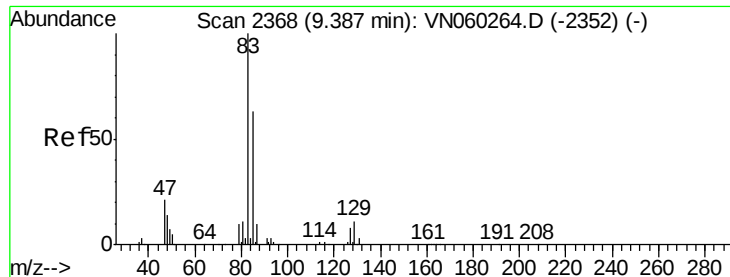
MMDadoda
 3/2/2020 11:00:47 AM



#46
 Dibromomethane
 Concen: 46.683 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.9	98.9
174	98.9	79.6	119.4





#47

Bromodichloromethane

Concen: 48.600 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

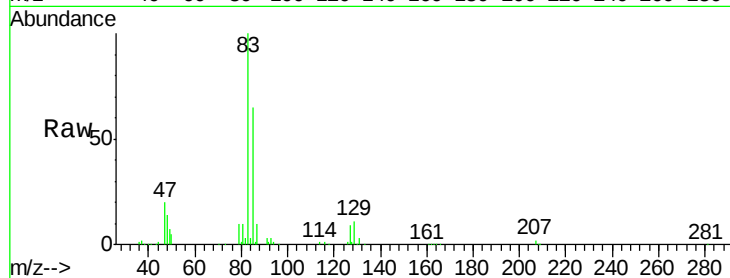
ClientSampleId :

VSTDCCC050EC

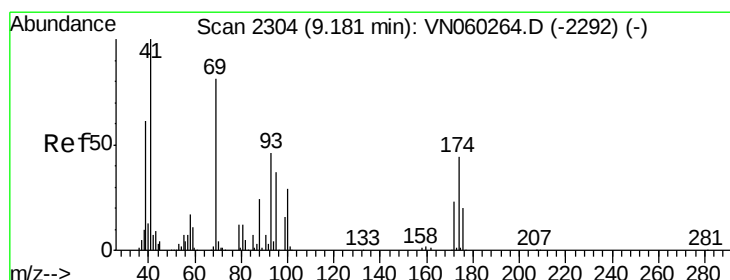
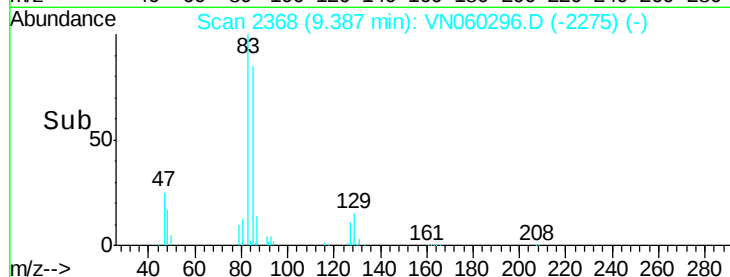
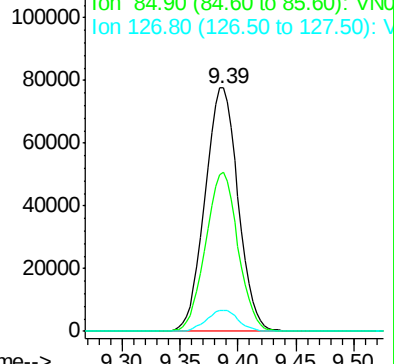
Tot Ion:	83	Resp:	153635
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.7	76.1
127	8.7	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060296.D (-2275) (-)



#48

Methyl methacrylate

Concen: 47.105 ug/l

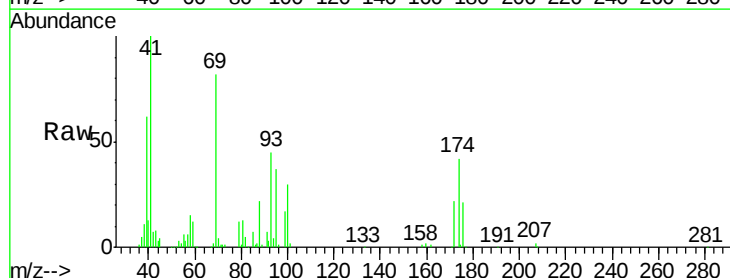
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

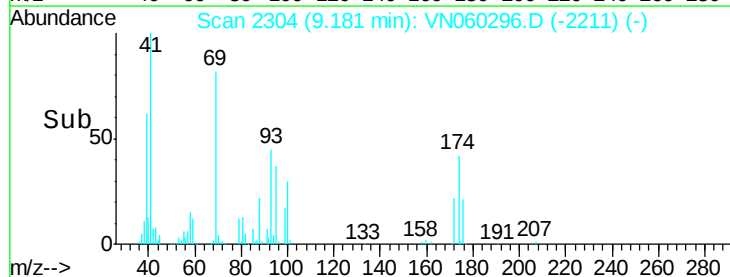
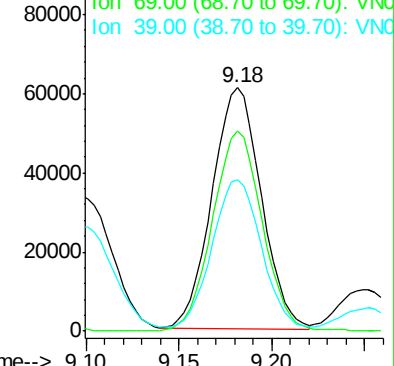
Lab File: VN060296.D

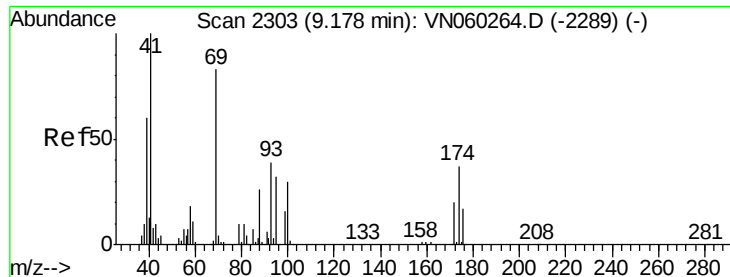
Acq: 28 Feb 2020 19:36

Tgt Ion:	41	Resp:	112088
Ion	Ratio	Lower	Upper
41	100		
69	84.2	66.7	100.1
39	63.9	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060296.D (-2211) (-)





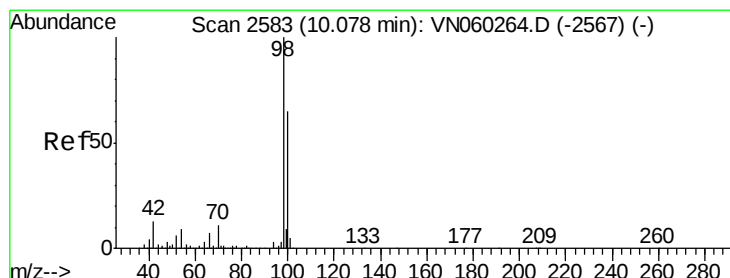
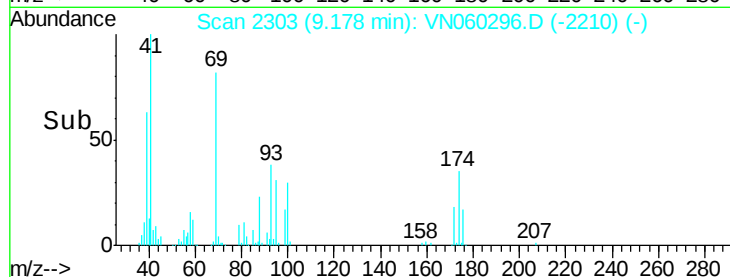
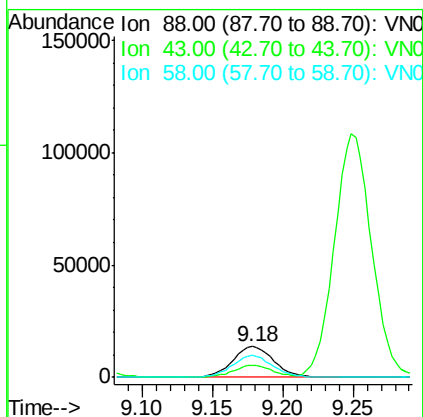
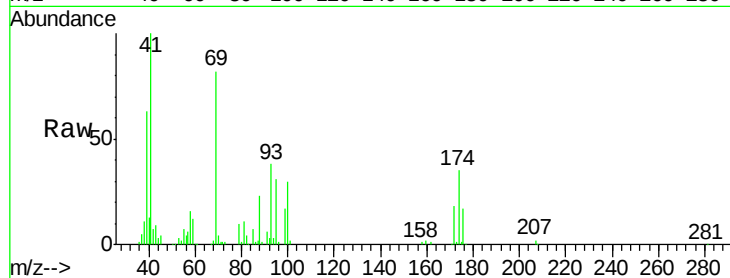
#49
1,4-Dioxane
Concen: 833.976 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	30.4	45.6
58	69.8	57.0	85.6

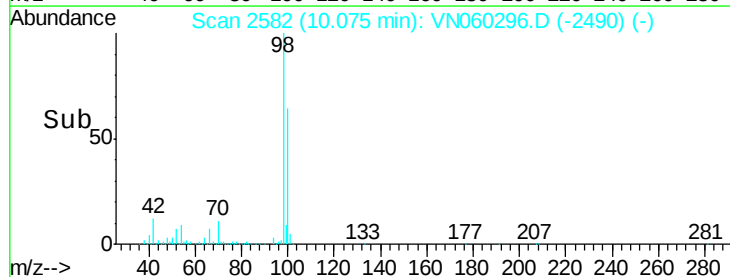
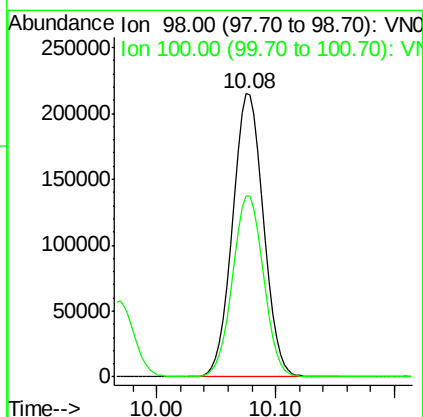
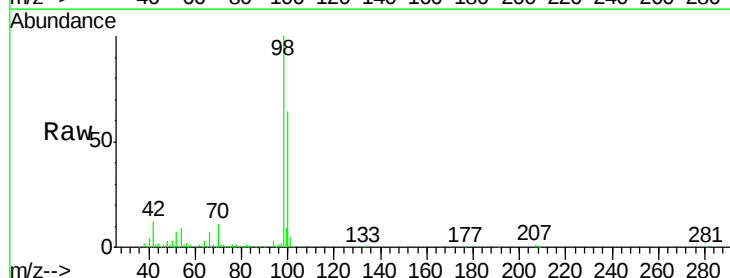
Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#50
Toluene-d8
Concen: 49.916 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2





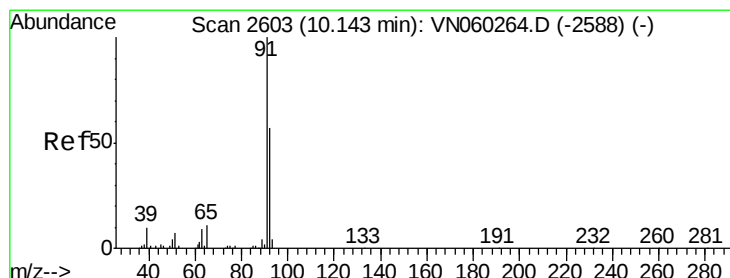
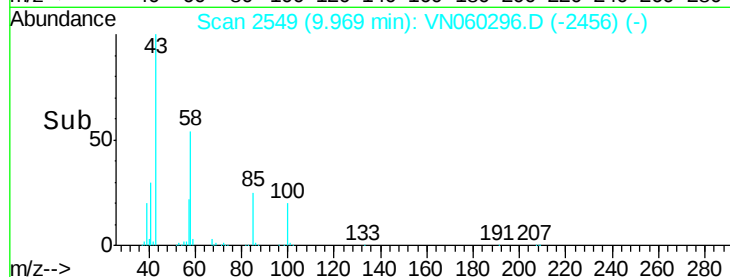
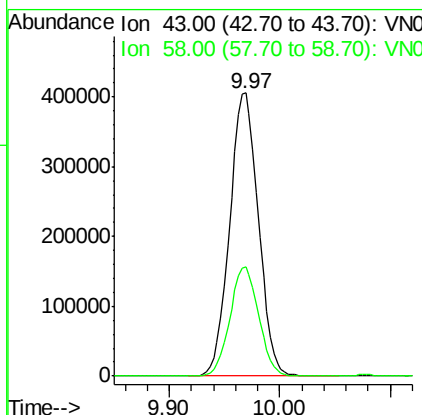
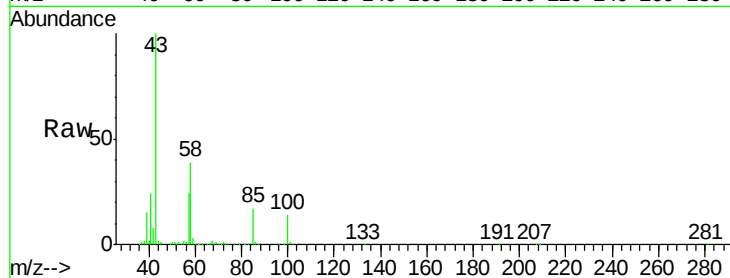
#51
4-Methyl-2-Pentanone
Concen: 247.691 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	732813
Ion Ratio	100	Lower	Upper
43	100		
58	38.5	30.9	46.3

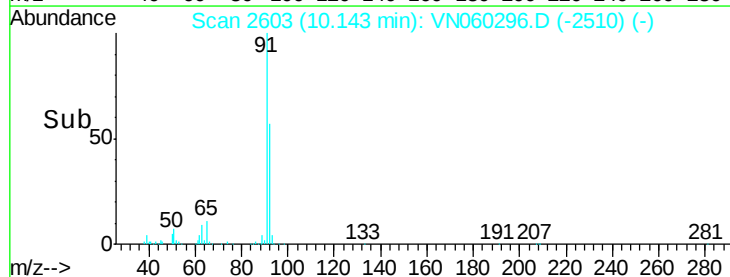
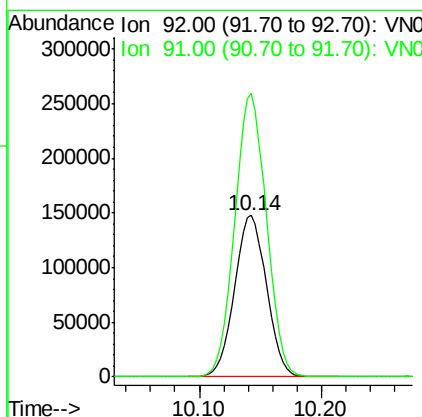
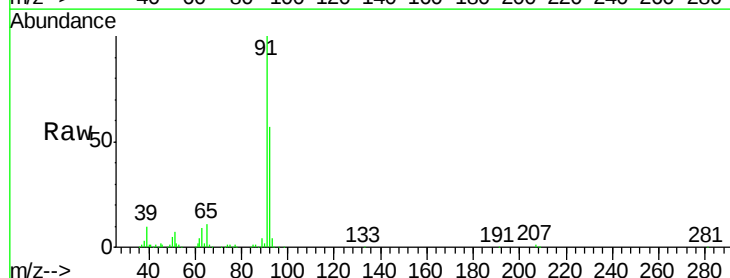
Manual Integrations
APPROVED

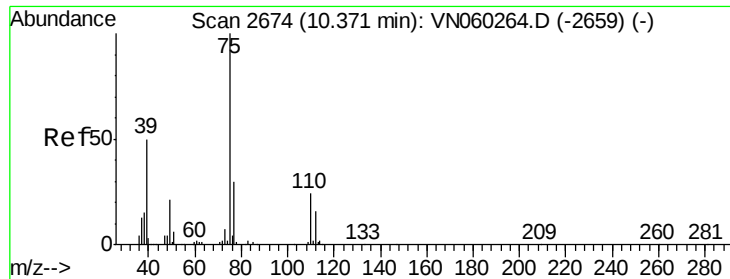
MMDadoda
3/2/2020 11:00:47 AM



#52
Toluene
Concen: 46.454 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	92	Resp	267358
Ion Ratio	100	Lower	Upper
92	100		
91	174.2	138.1	207.1





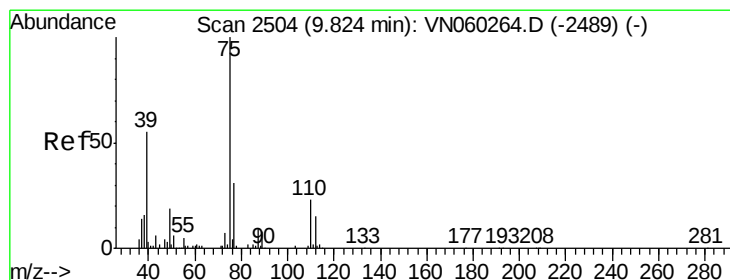
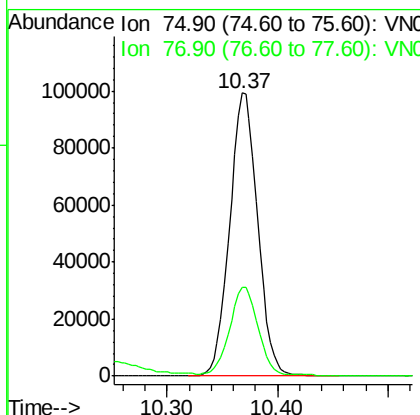
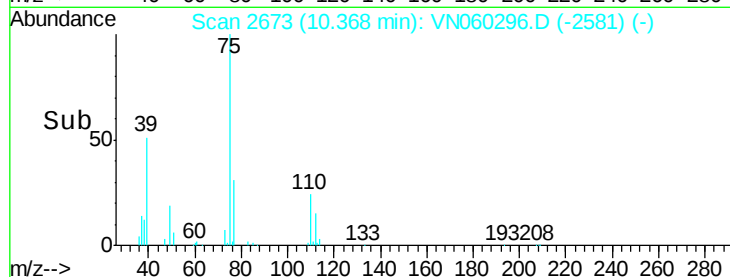
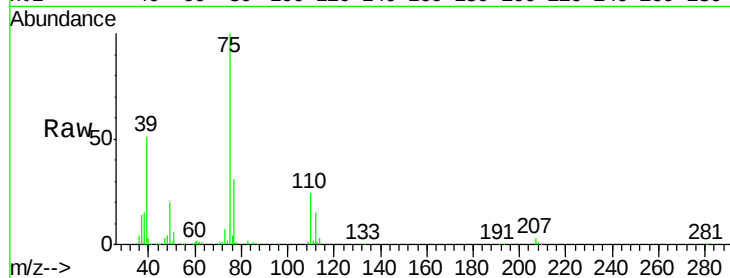
#53
t-1,3-Dichloropropene
Concen: 45.093 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 174670
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2

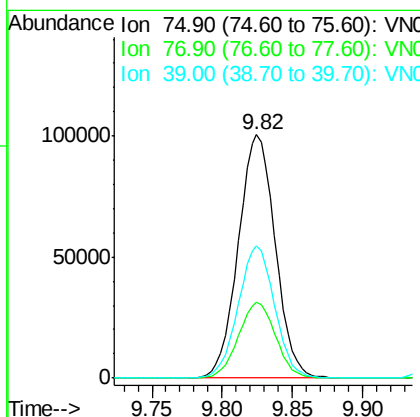
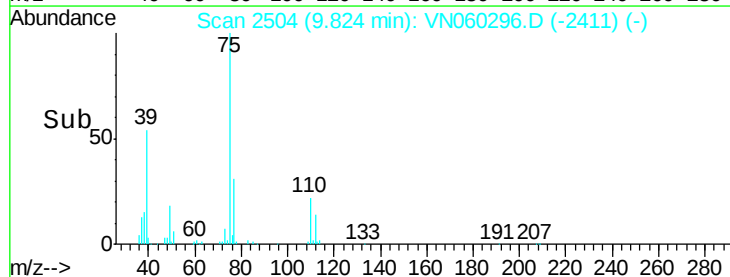
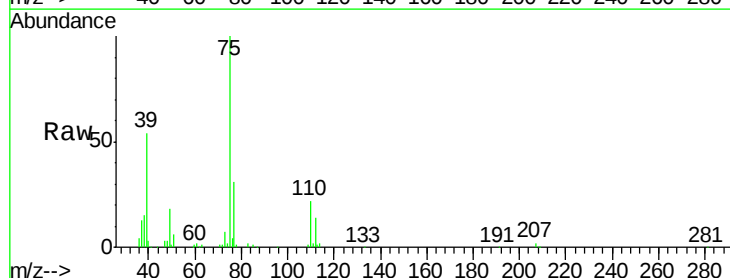
Manual Integrations
APPROVED

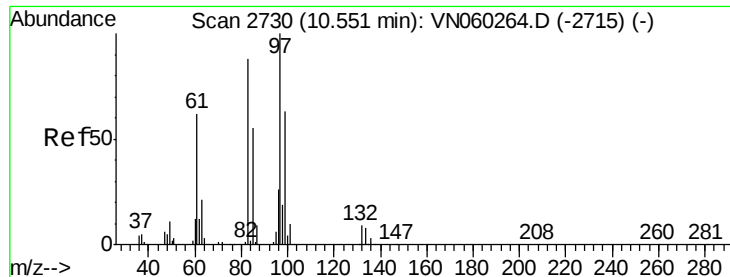
MMDadoda
3/2/2020 11:00:47 AM



#54
cis-1,3-Dichloropropene
Concen: 46.070 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 75 Resp: 184915
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 54.0 43.8 65.8





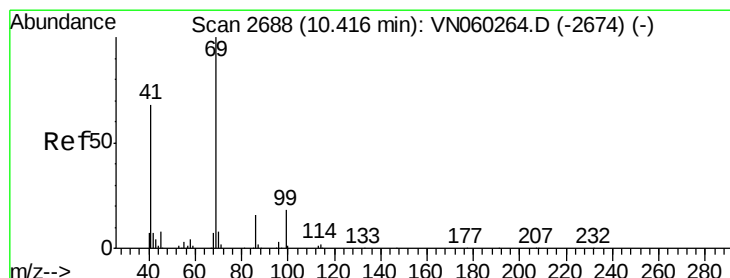
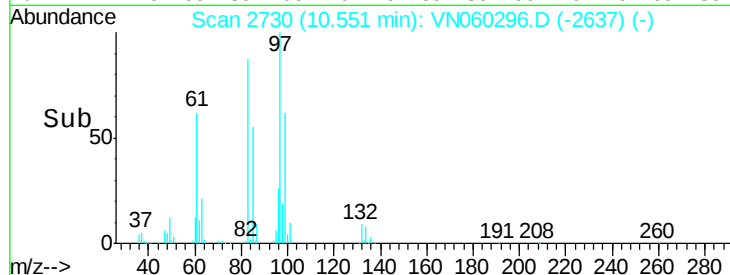
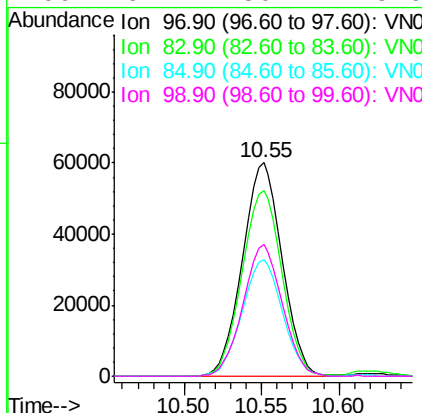
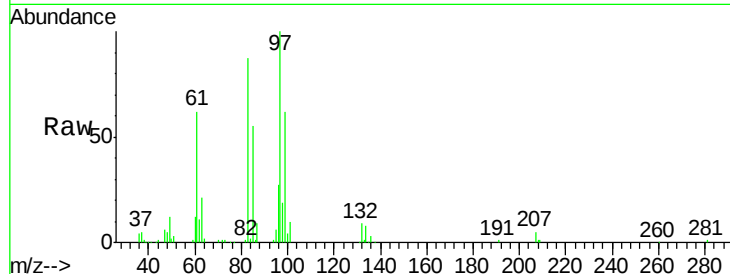
#55
 1,1,2-Trichloroethane
 Concen: 46.462 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		107534		
83	87.1	70.0	105.0		
85	54.7	44.0	66.0		
99	61.7	50.4	75.6		

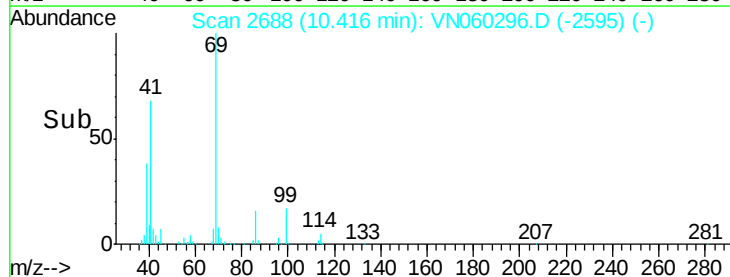
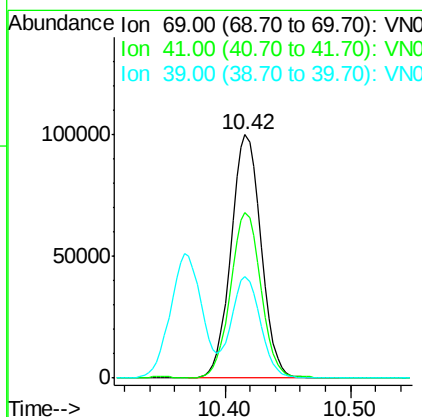
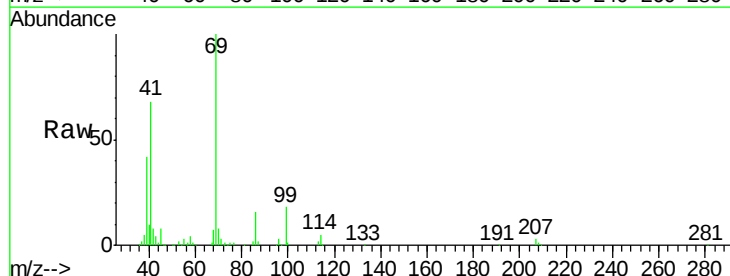
Manual Integrations
 APPROVED

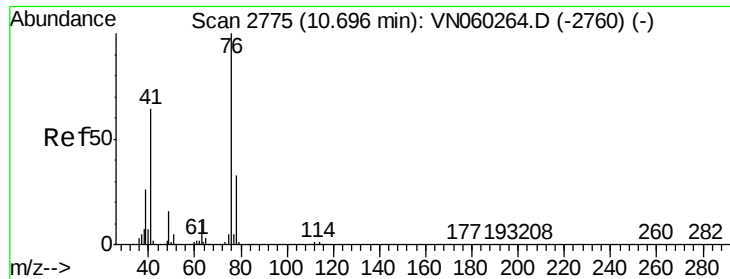
MMDadoda
 3/2/2020 11:00:47 AM



#56
 Ethyl methacrylate
 Concen: 50.053 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		166430		
41	68.0	54.1	81.1		
39	40.7	32.5	48.7		





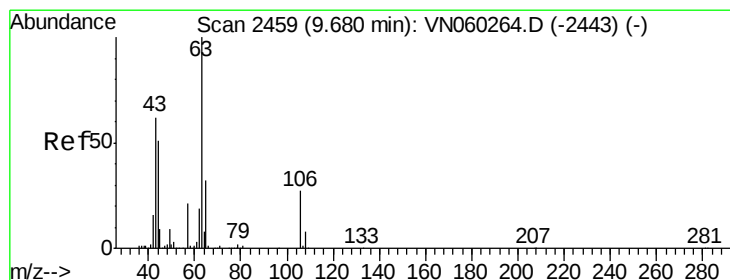
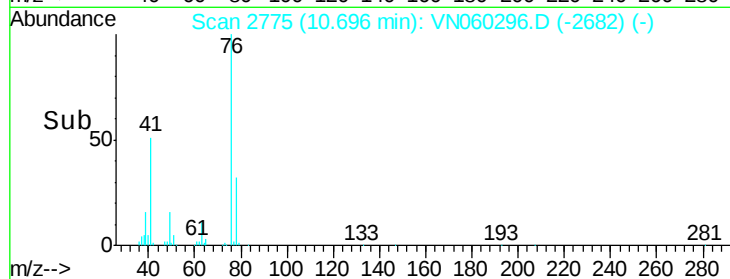
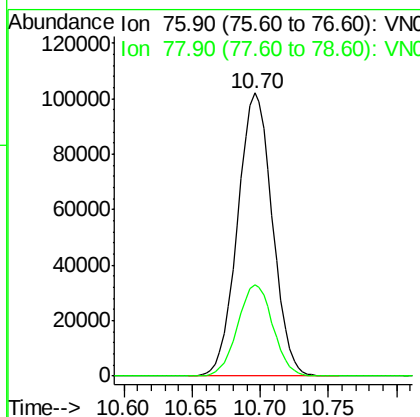
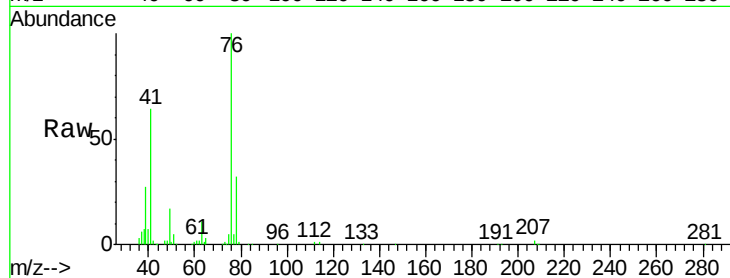
#57
 1,3-Dichloropropane
 Concen: 47.798 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 180409
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2

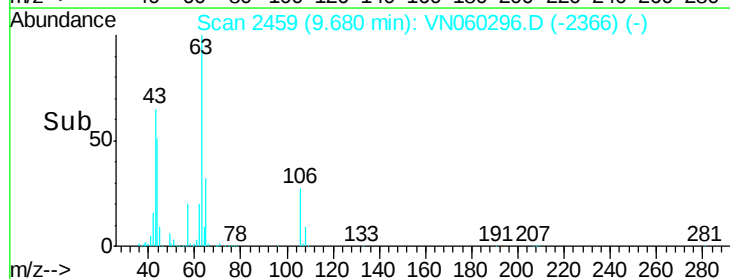
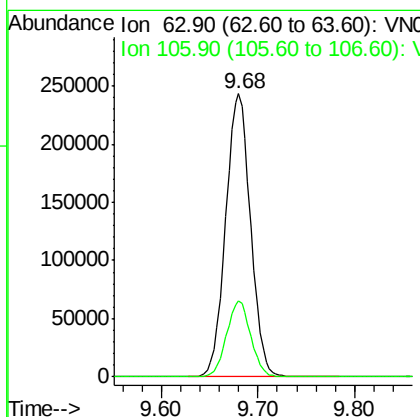
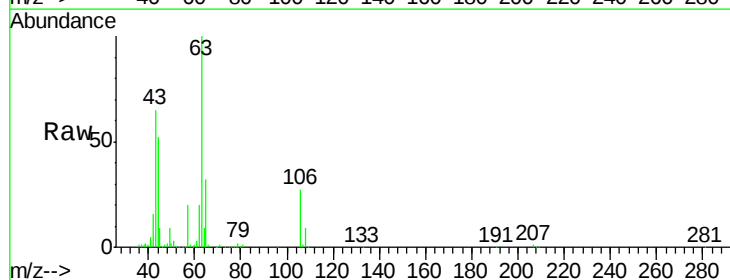
Manual Integrations
 APPROVED

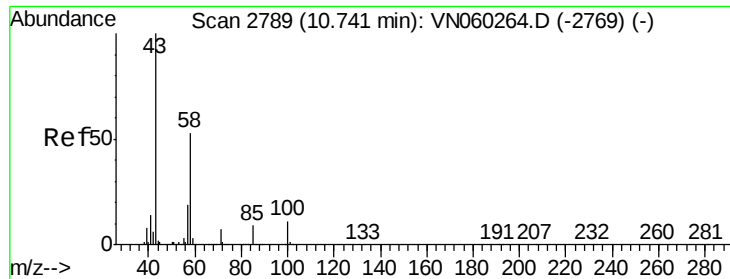
MMDadoda
 3/2/2020 11:00:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.122 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion: 63 Resp: 433228
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.1 31.7





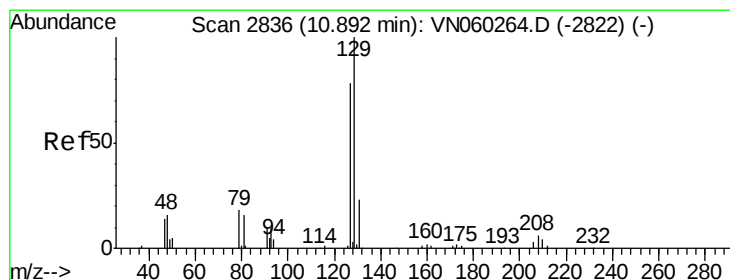
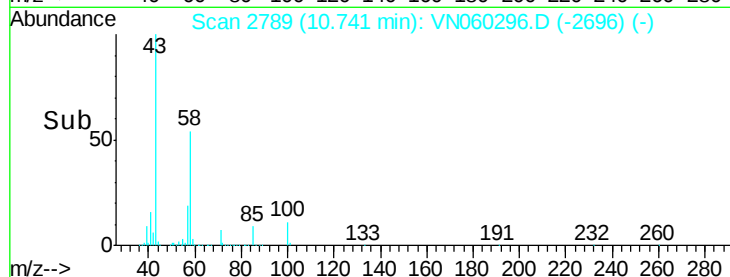
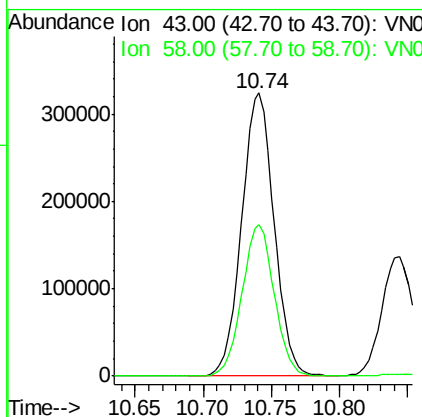
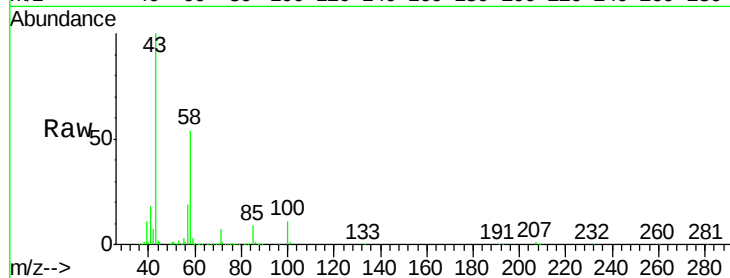
#59
2-Hexanone
Concen: 245.615 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 533540
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.5

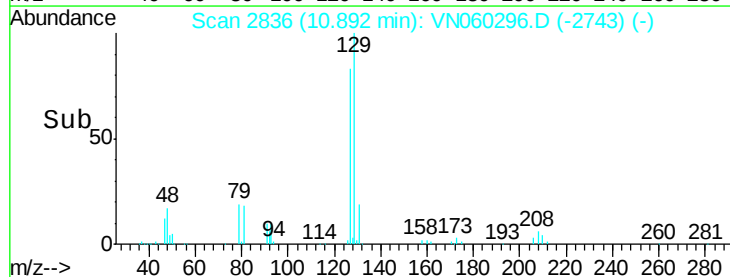
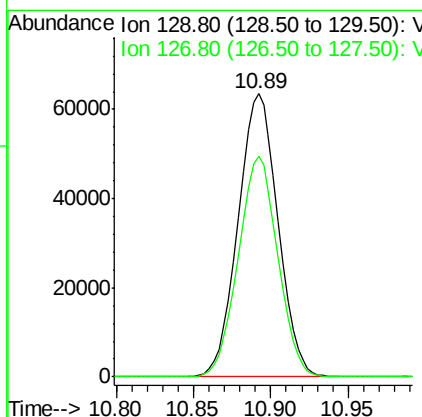
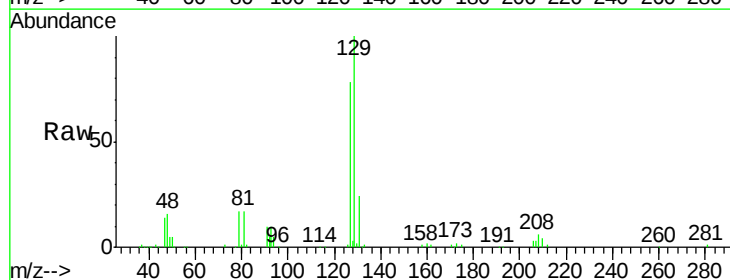
Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#60
Dibromochloromethane
Concen: 48.317 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 129 Resp: 113723
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 48.315 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 109007

Ion Ratio Lower Upper

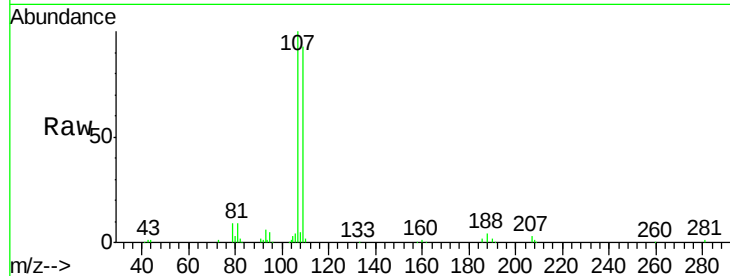
107 100

109 93.7 76.8 115.2

Manual Integrations
APPROVED

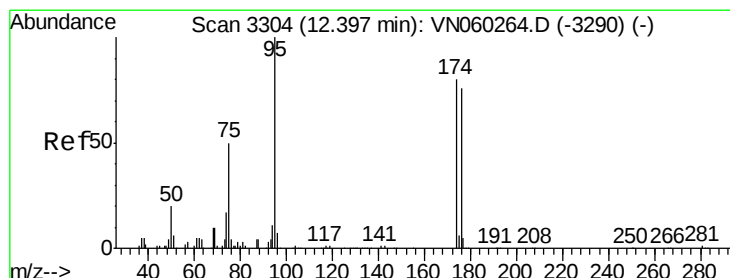
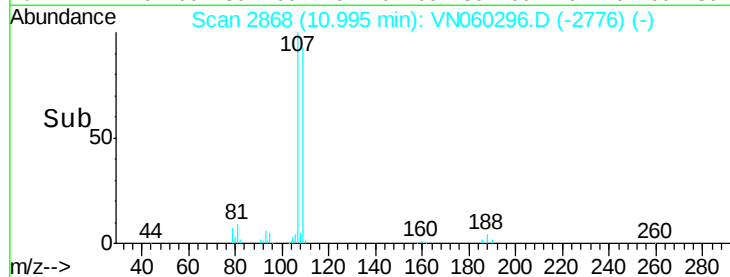
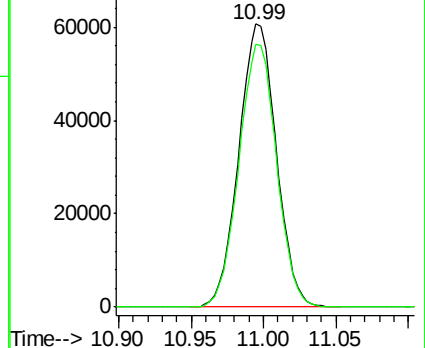
MMDadoda

3/2/2020 11:00:47 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.707 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

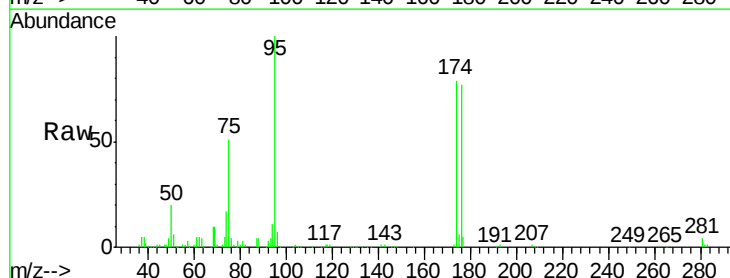
Tgt Ion: 95 Resp: 149149

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.2

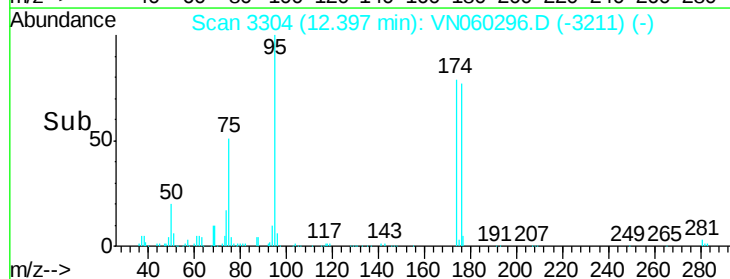
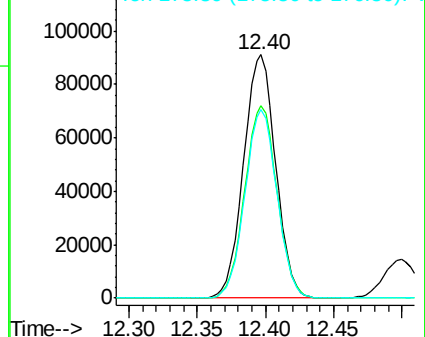
176 77.1 0.0 153.8

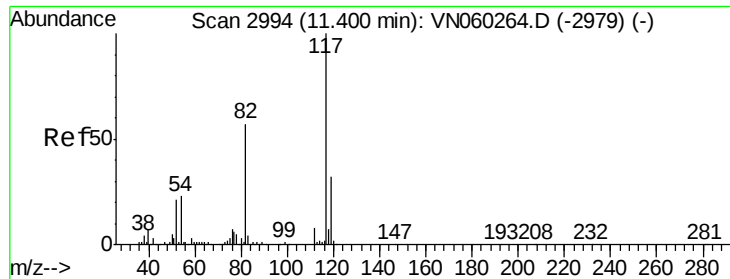


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





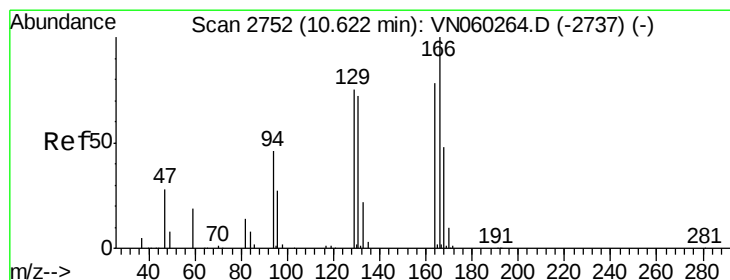
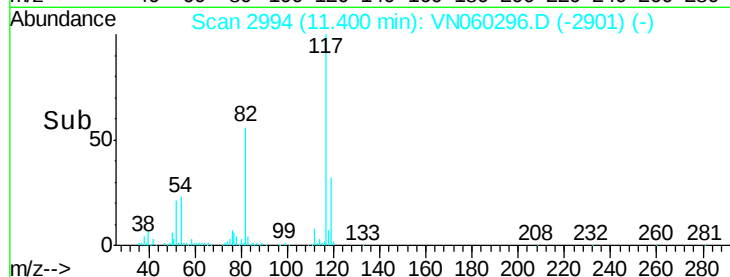
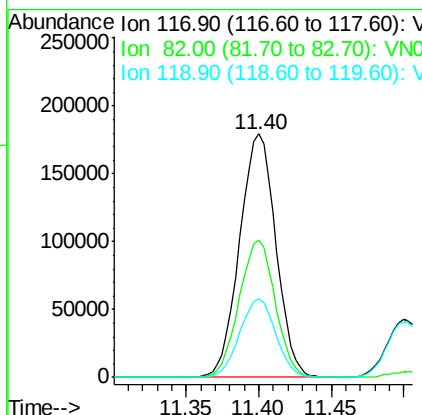
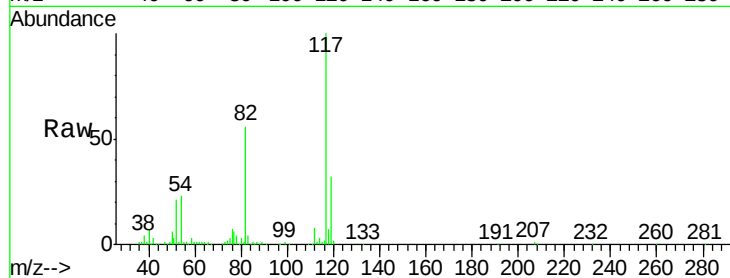
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.8	68.6
119	32.0	25.8	38.8

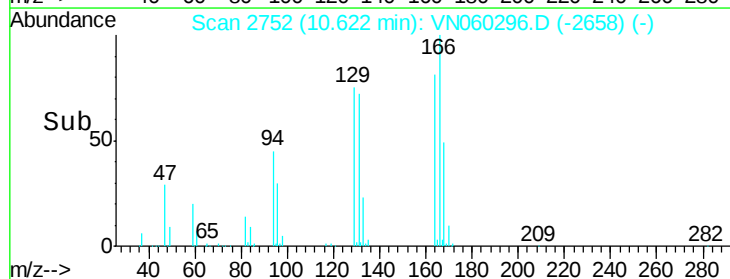
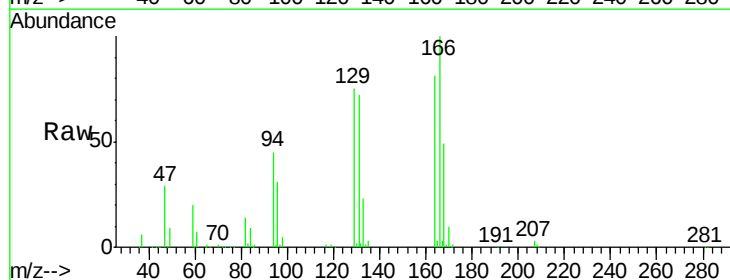
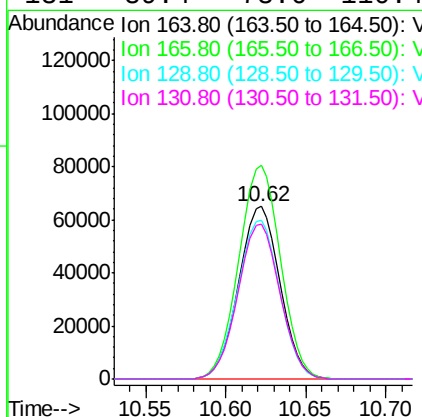
Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#64
Tetrachloroethene
Concen: 46.426 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	102.0	153.0
129	92.2	76.4	114.6
131	89.4	73.6	110.4





#65

Chlorobenzene

Concen: 44.809 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 282873

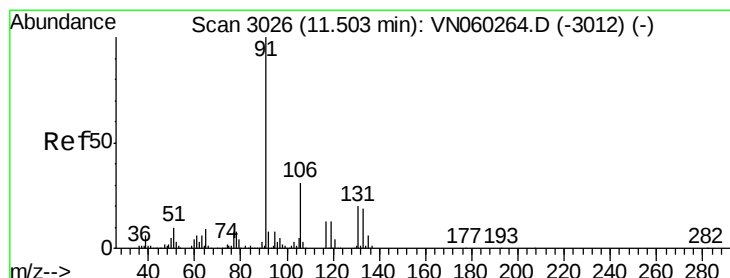
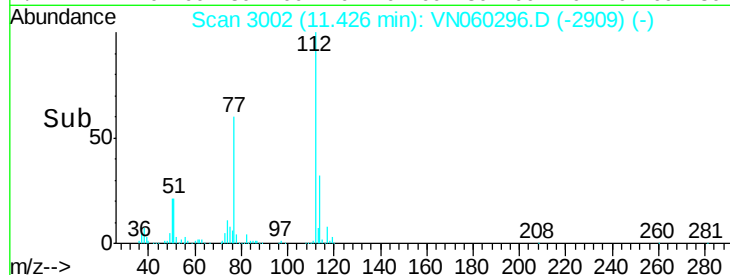
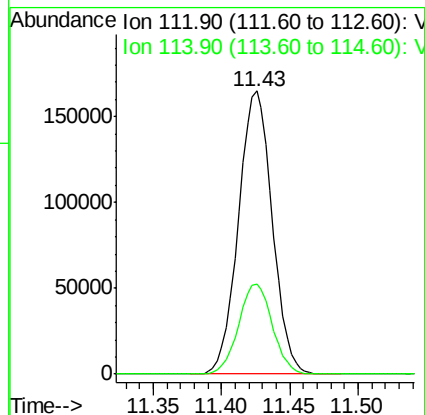
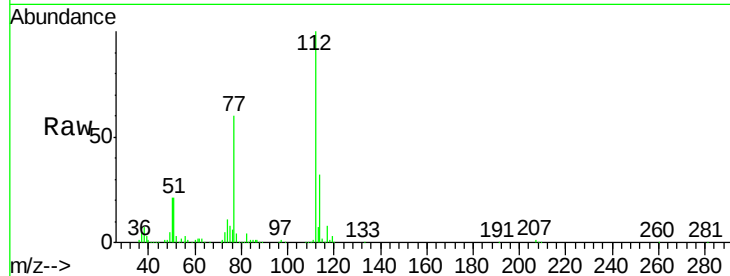
Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 46.306 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

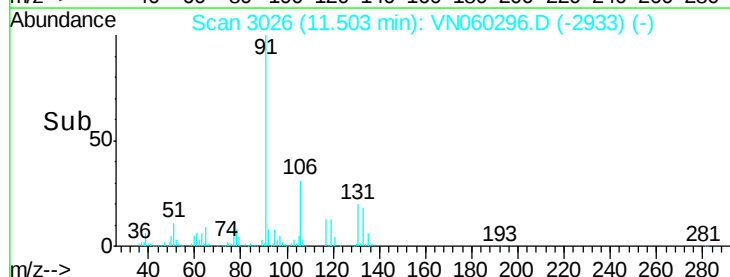
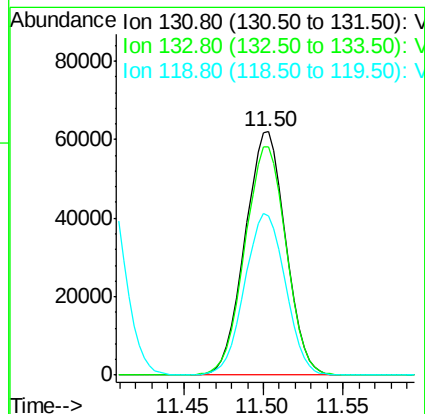
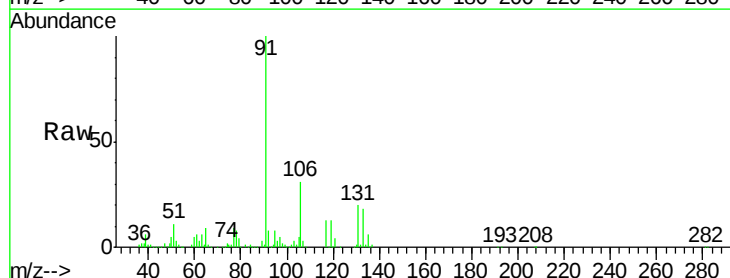
Tgt Ion:131 Resp: 108085

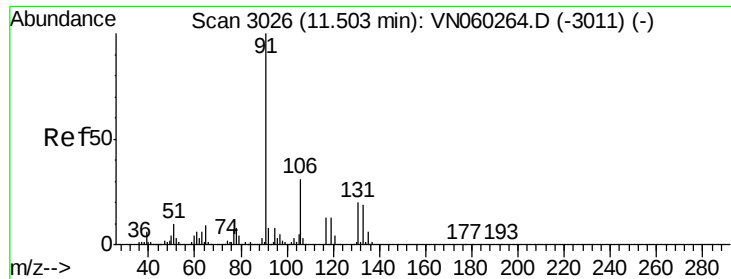
Ion Ratio Lower Upper

131 100

133 95.7 47.7 143.1

119 66.5 33.2 99.6





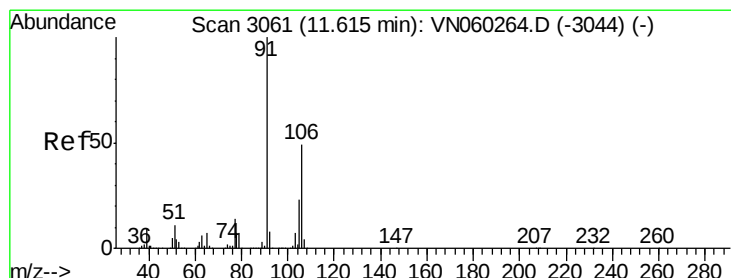
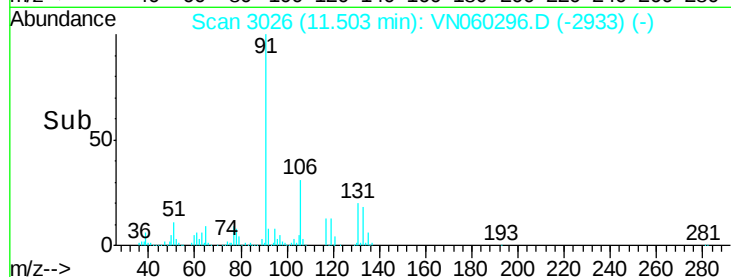
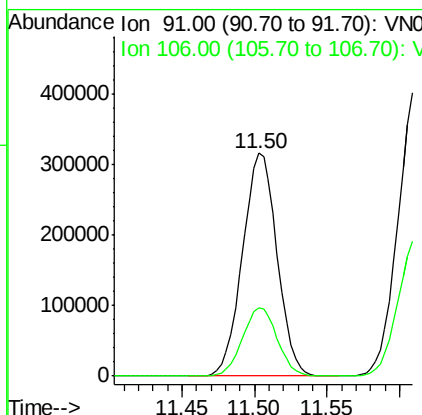
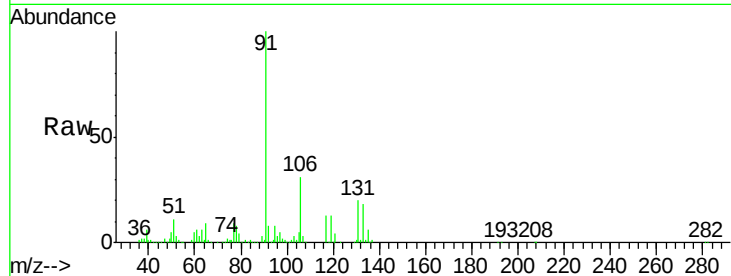
#67
Ethyl Benzene
Concen: 45.484 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 522899
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

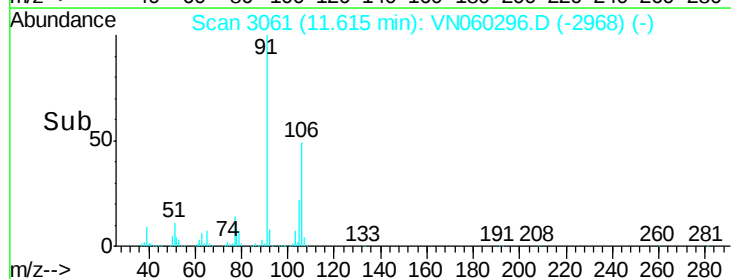
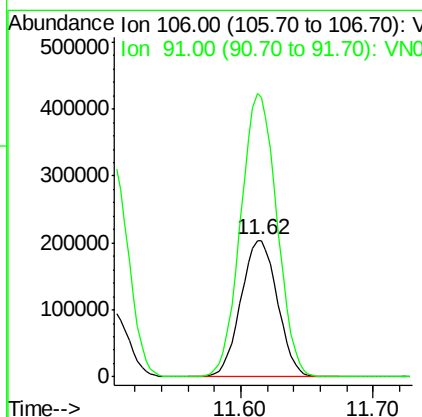
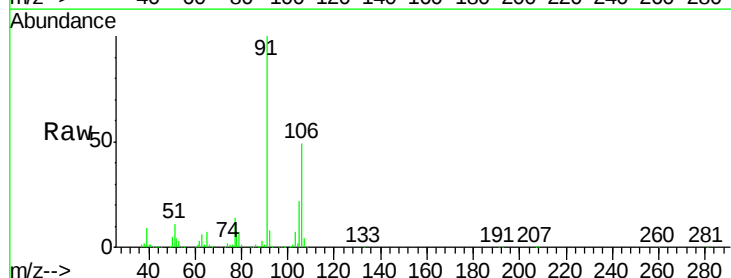
Manual Integrations
APPROVED

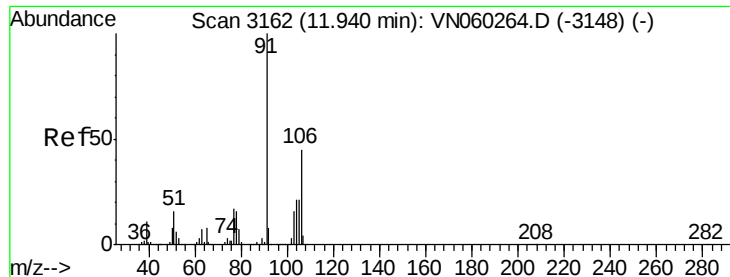
MMDadoda
3/2/2020 11:00:47 AM



#68
m/p-Xylenes
Concen: 89.776 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion: 106 Resp: 389399
Ion Ratio Lower Upper
106 100
91 205.8 164.5 246.7





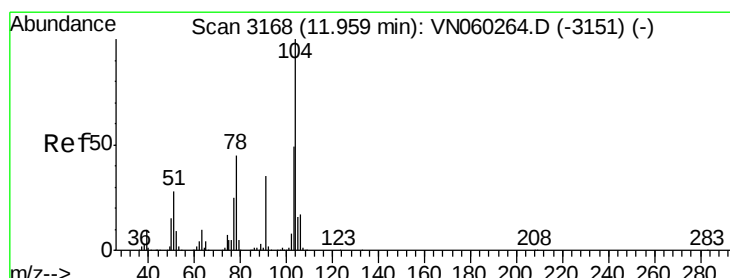
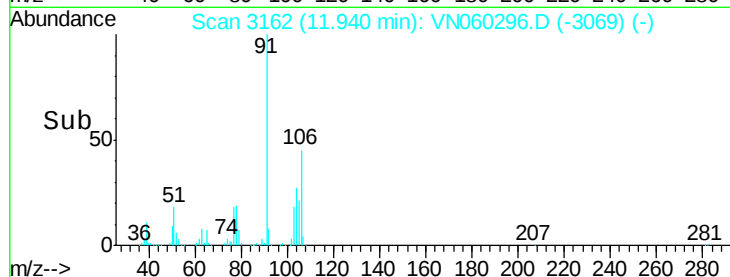
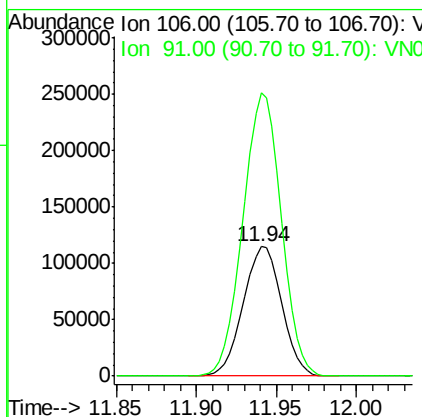
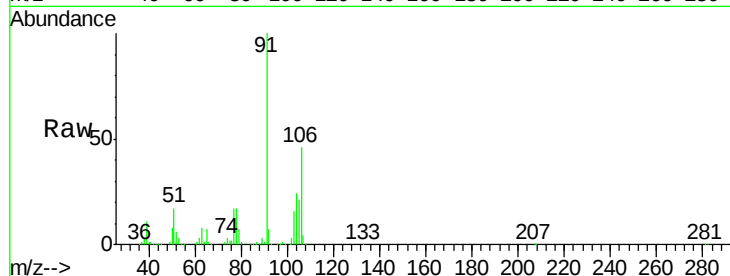
#69
o-Xylene
Concen: 45.640 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.7	109.5	328.4	

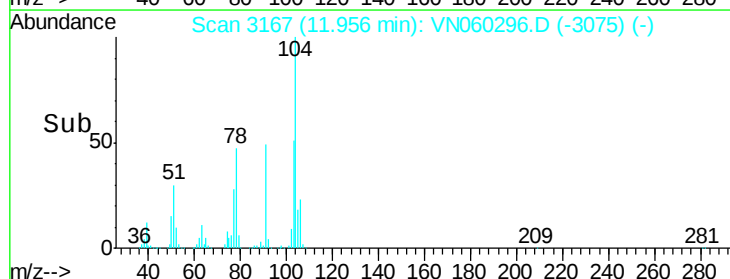
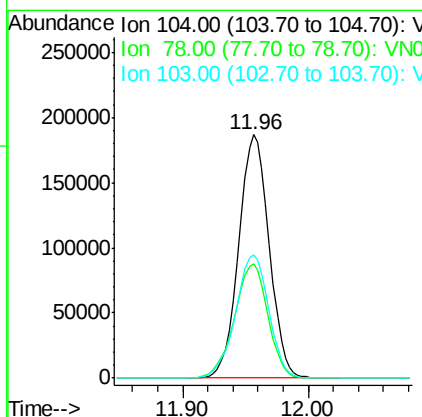
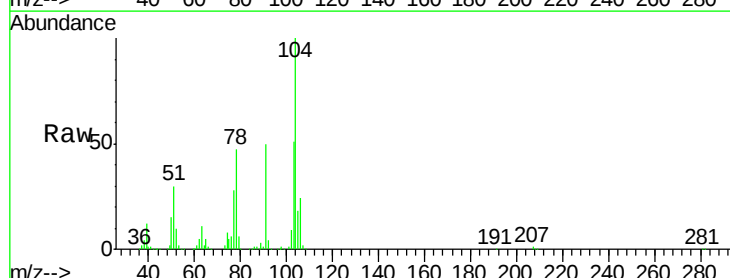
Manual Integrations
APPROVED

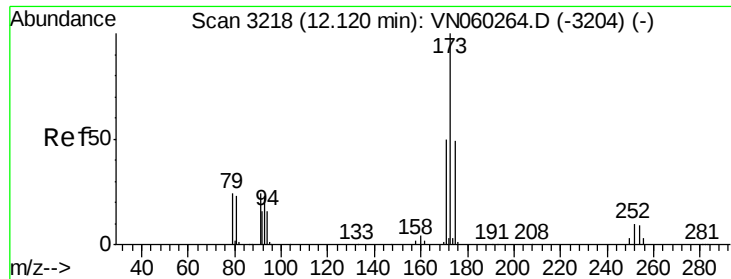
MMDadoda
3/2/2020 11:00:47 AM



#70
Styrene
Concen: 46.273 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.6	41.2	61.8	
103	55.3	43.9	65.9	





#71

Bromoform

Concen: 48.810 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

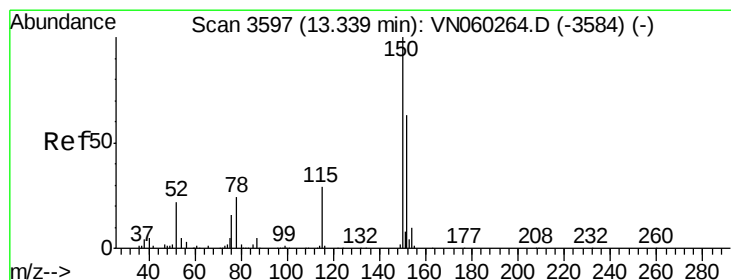
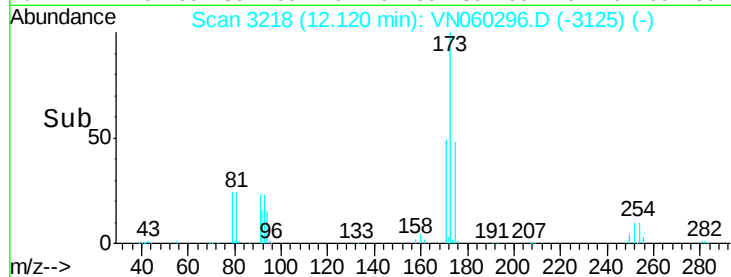
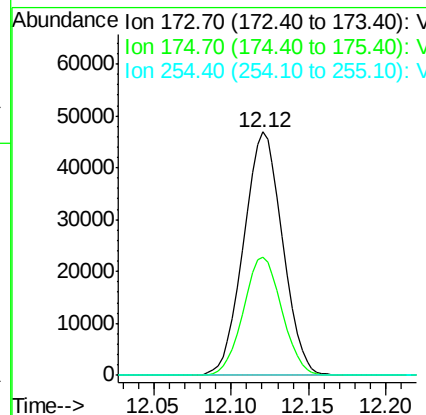
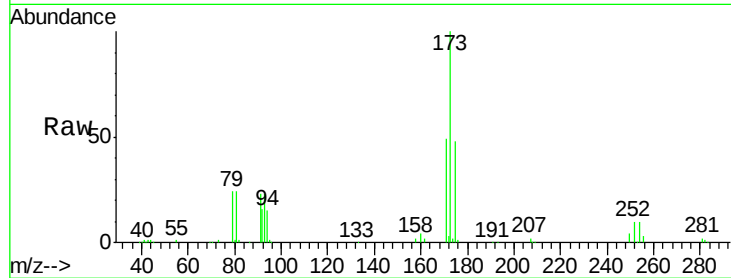
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	82110
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

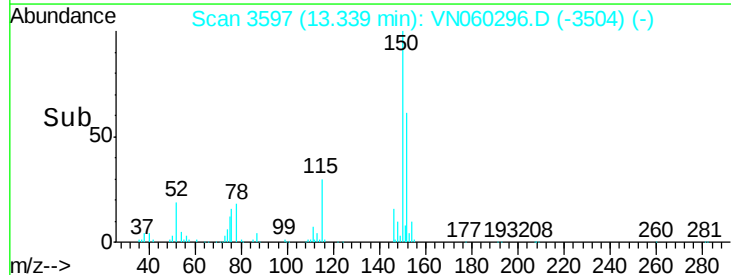
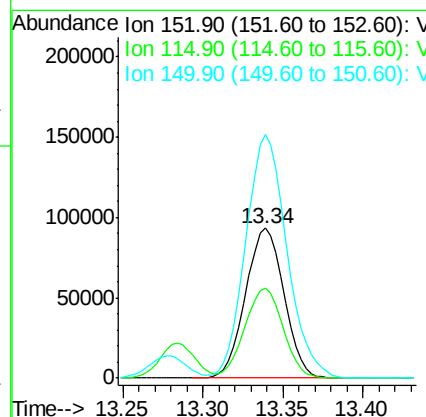
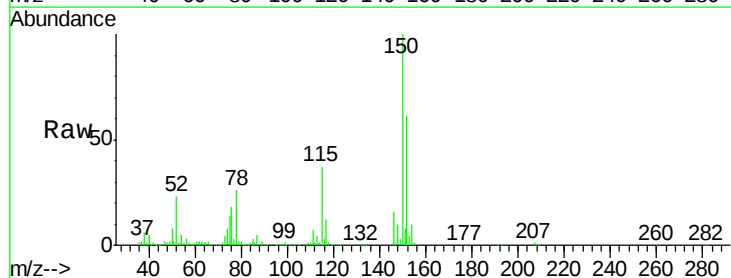
RT: 13.34 min Scan# 3597

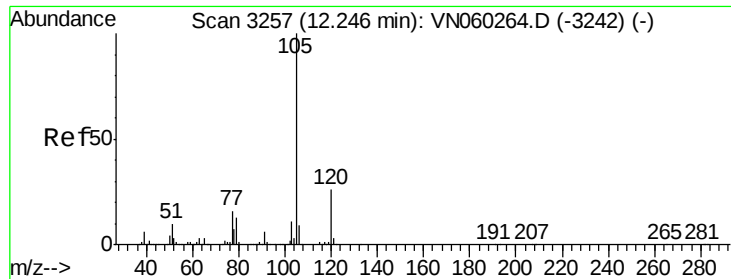
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	152	Resp:	153370
Ion Ratio	Lower	Upper	
152	100		
115	59.6	30.0	90.0
150	174.2	0.0	349.6





#73

Isopropylbenzene

Concen: 45.025 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 511826

Ion Ratio Lower Upper

105 100

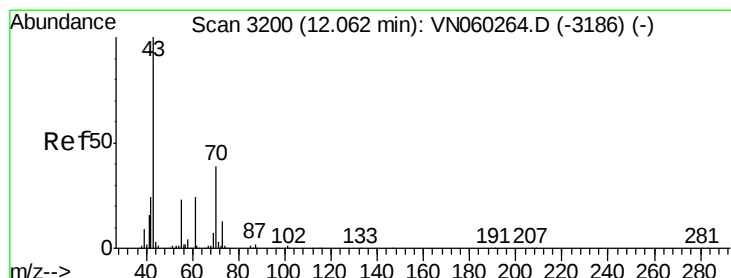
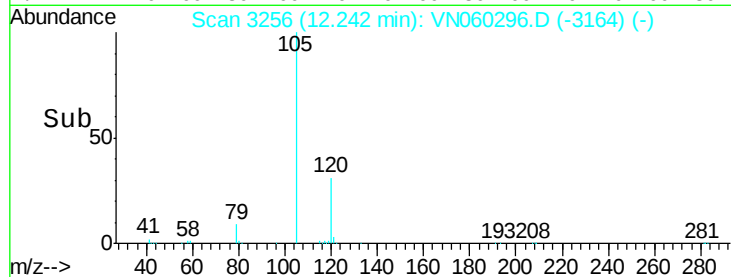
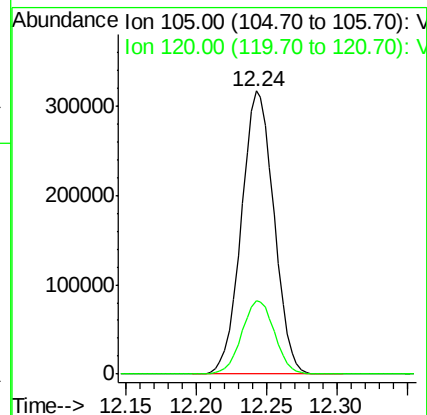
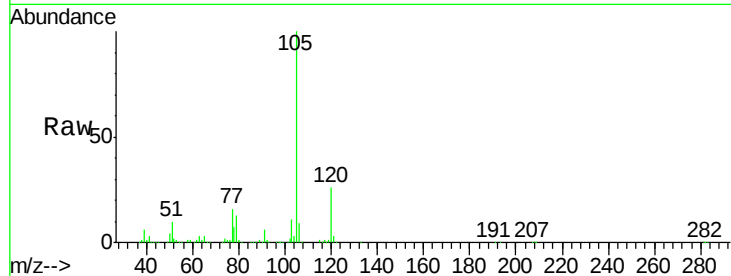
120 26.2 13.0 38.9

Manual Integrations

APPROVED

MMDadoda

3/2/2020 11:00:47 AM



#74

N-ethyl acetate

Concen: 46.426 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion: 43 Resp: 230614

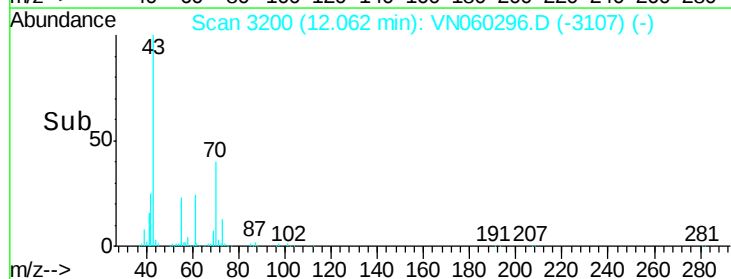
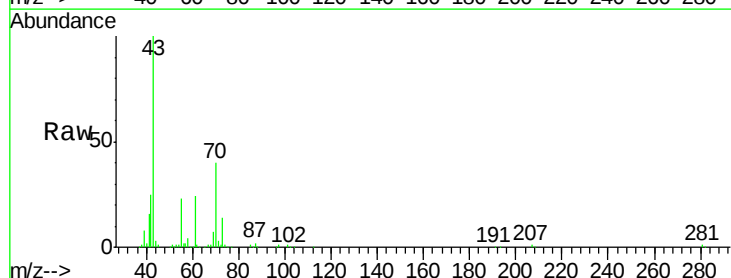
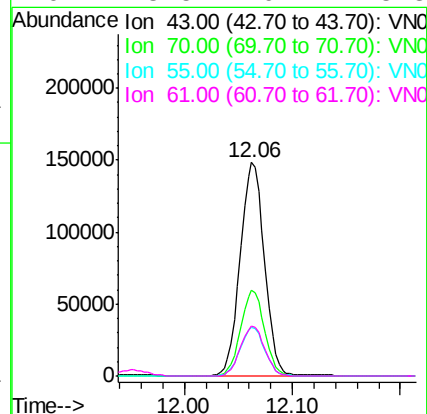
Ion Ratio Lower Upper

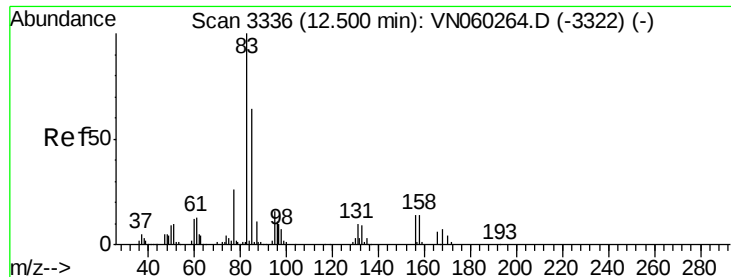
43 100

70 39.7 32.2 48.2

55 23.1 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.283 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

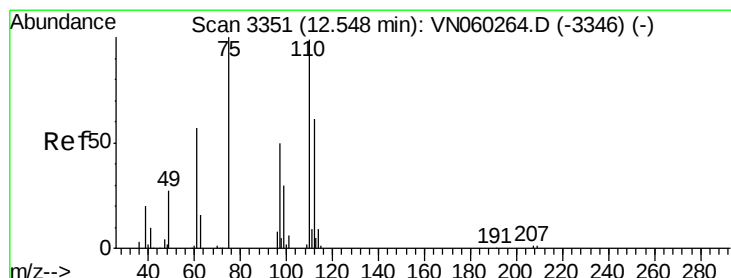
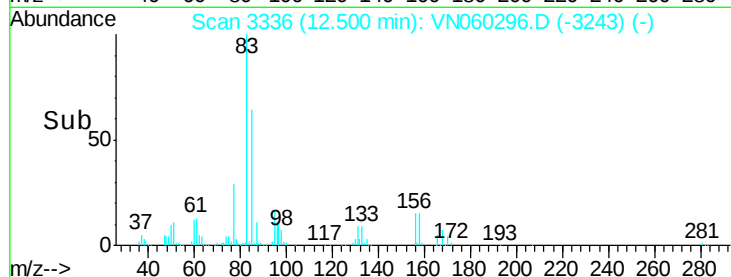
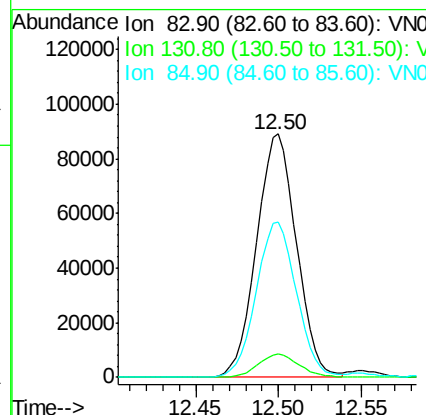
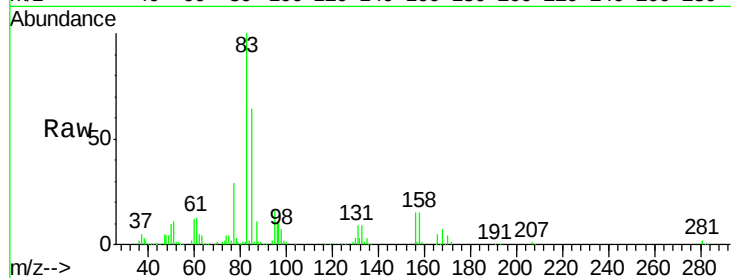
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	149194
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#76

1,2,3-Trichloropropane

Concen: 40.326 ug/l m

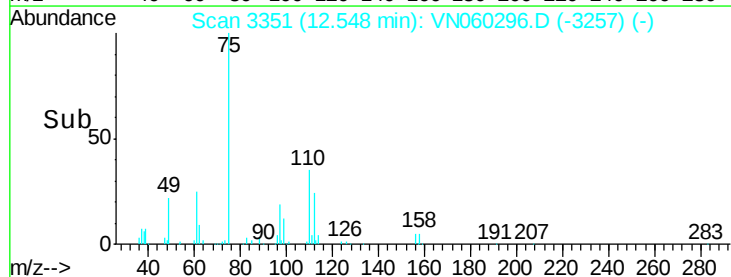
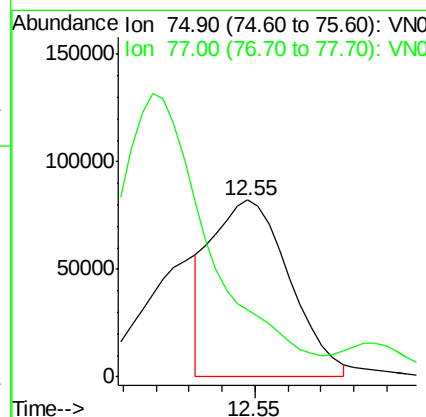
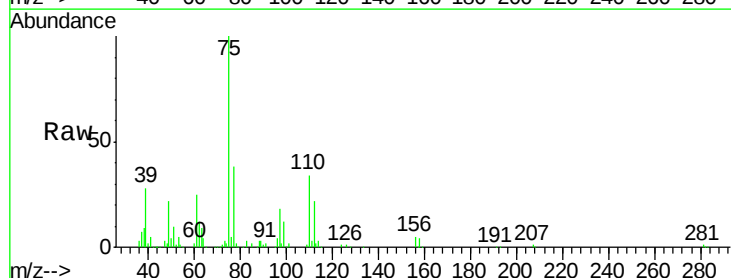
RT: 12.55 min Scan# 3351

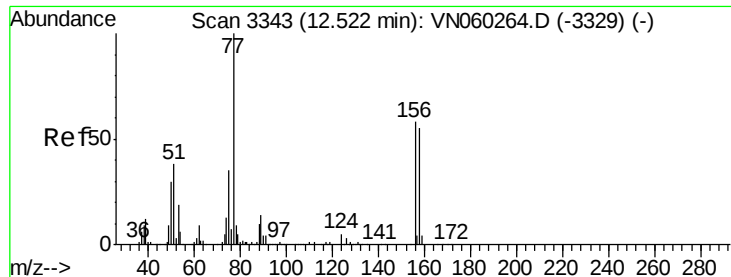
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	75	Resp:	135695
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.083 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

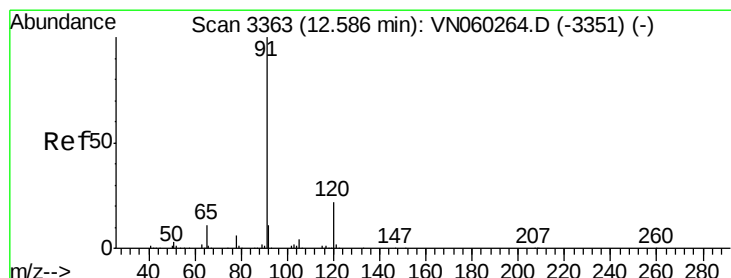
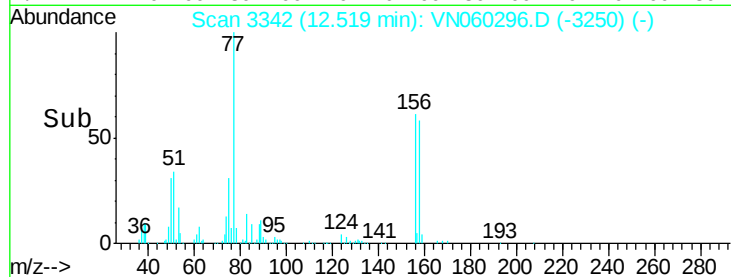
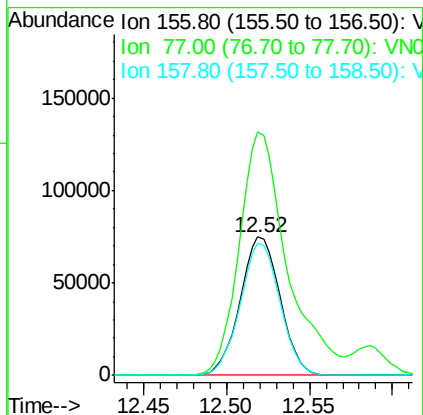
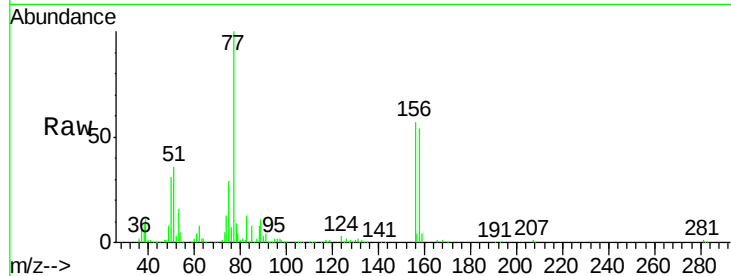
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	125624
Ion Ratio	Lower	Upper	
156	100		
77	211.1	106.1	318.3
158	95.0	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#78

n-propylbenzene

Concen: 45.214 ug/l

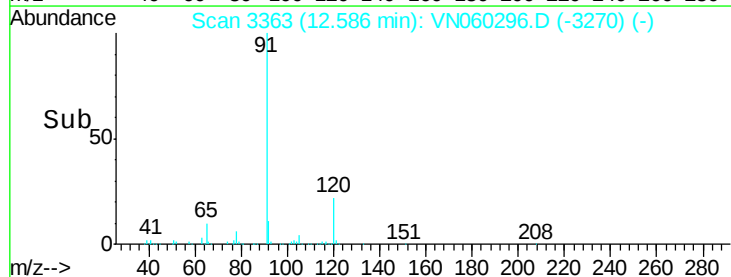
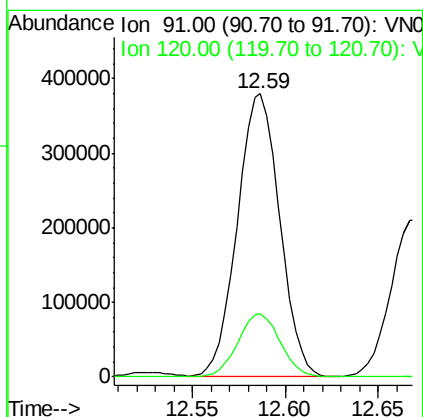
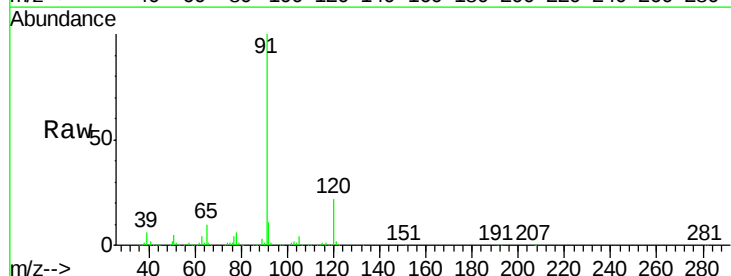
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	91	Resp:	602478
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.3	33.9





#79

2-Chlorotoluene

Concen: 44.334 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 347256

Ion Ratio Lower Upper

91 100

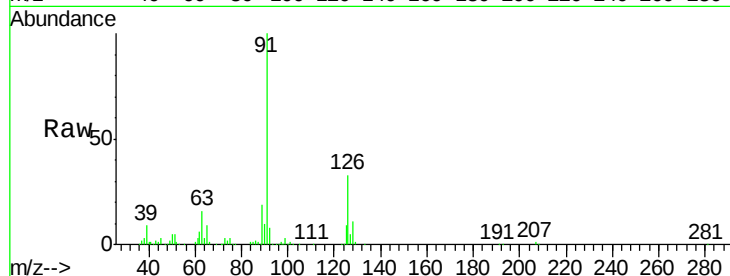
126 33.3 16.6 49.8

Manual Integrations

APPROVED

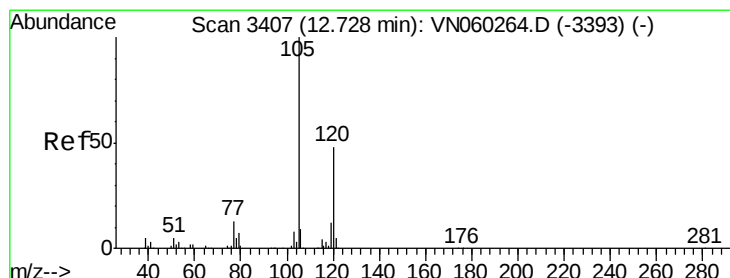
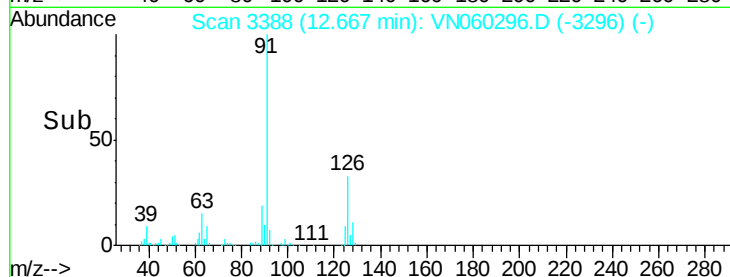
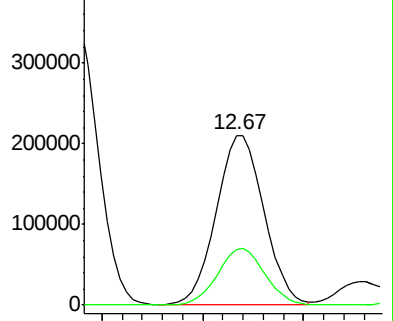
MMDadoda

3/2/2020 11:00:47 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.216 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060296.D

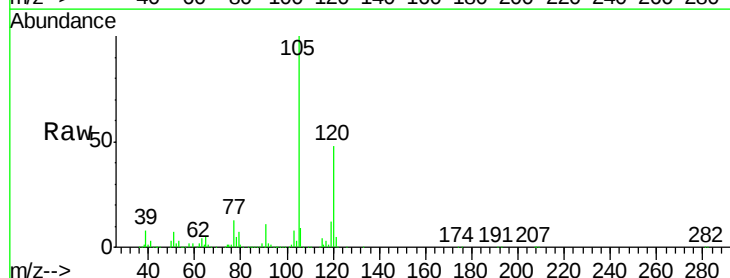
Acq: 28 Feb 2020 19:36

Tgt Ion: 105 Resp: 432762

Ion Ratio Lower Upper

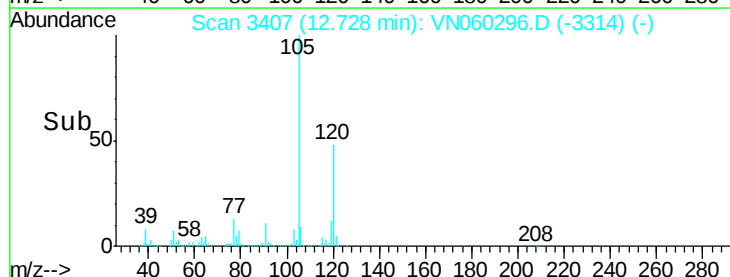
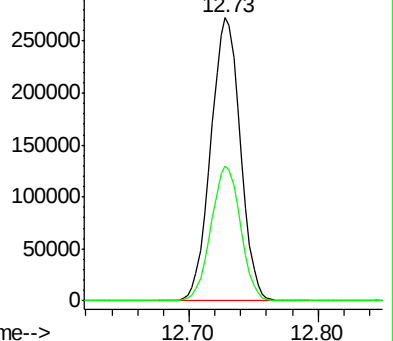
105 100

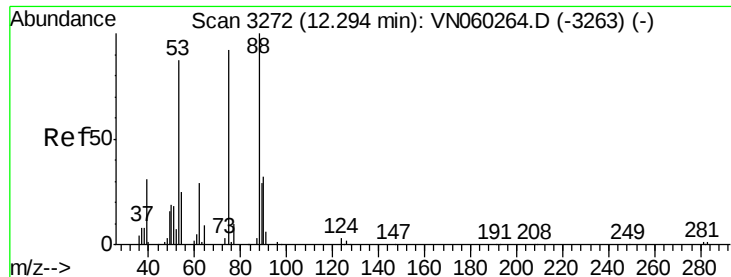
120 47.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-3393) (-)





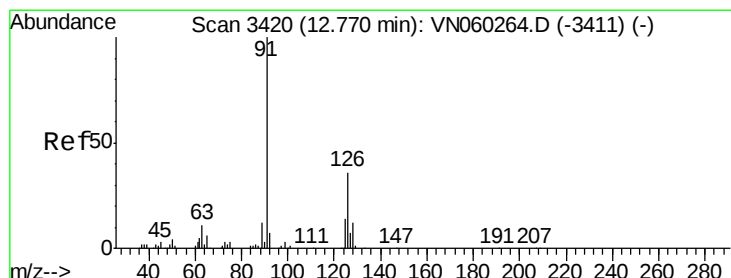
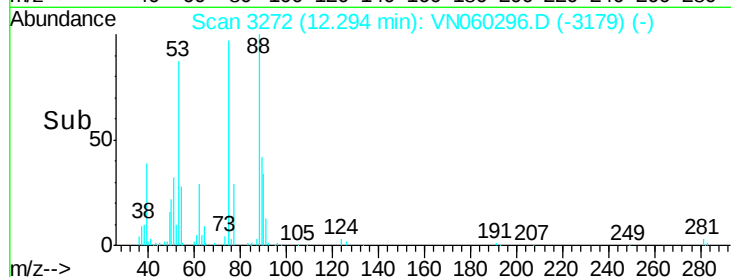
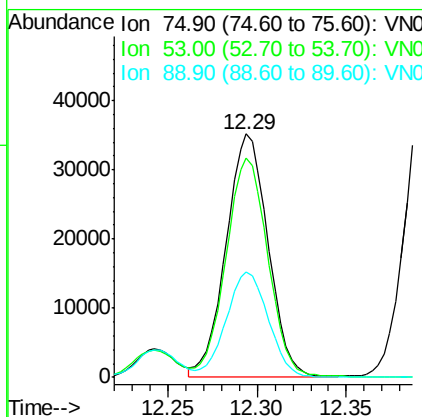
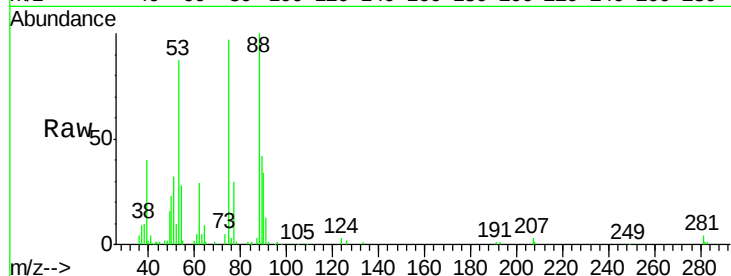
#81
trans-1,4-Dichloro-2-butene
Concen: 47.215 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	73.8	110.6
89	43.3	57.1	85.7#

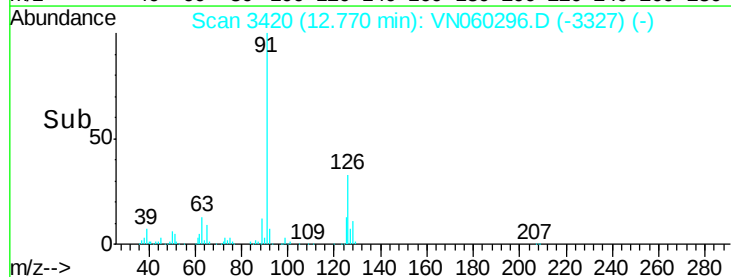
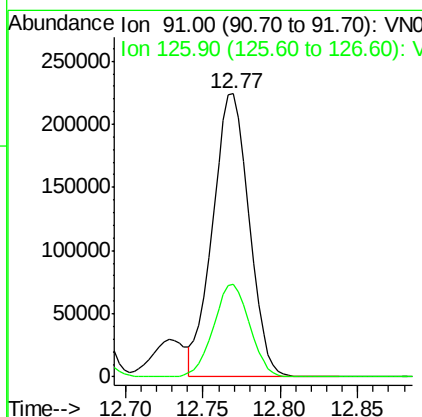
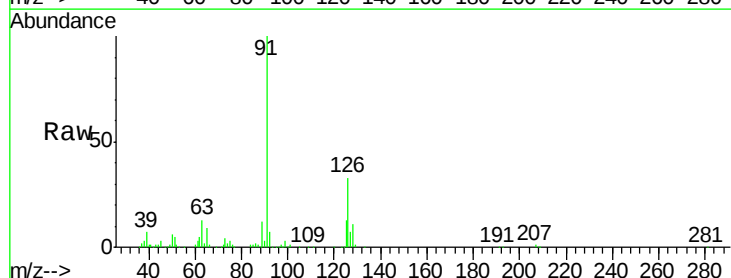
Manual Integrations
APPROVED

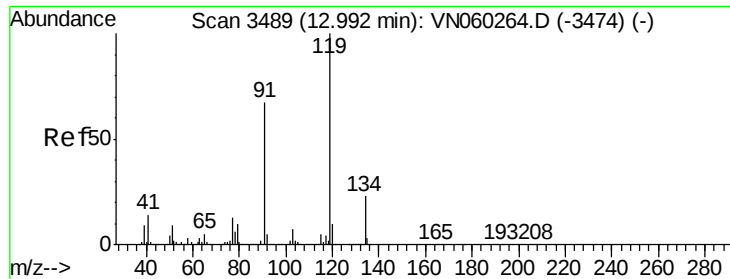
MMDadoda
3/2/2020 11:00:47 AM



#82
4-Chlorotoluene
Concen: 44.334 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.1





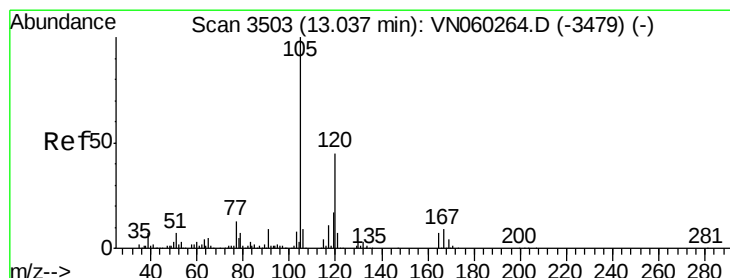
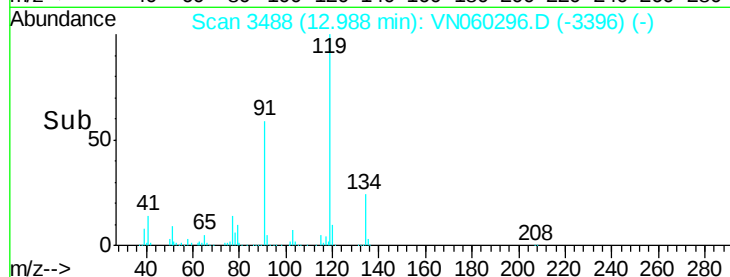
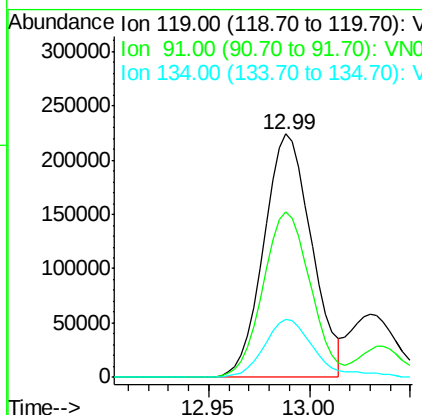
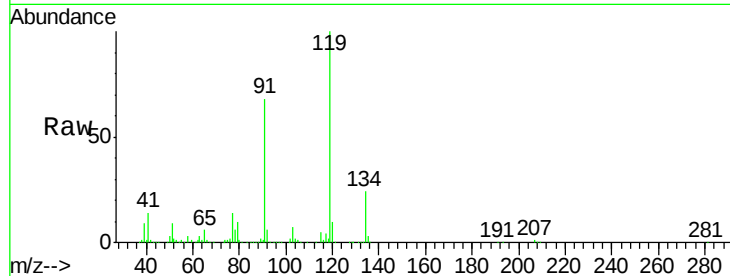
#83
 tert-Butylbenzene
 Concen: 44.510 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.1	99.2
134	25.1	12.4	37.0

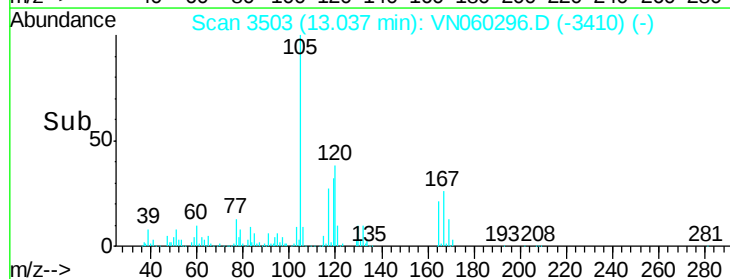
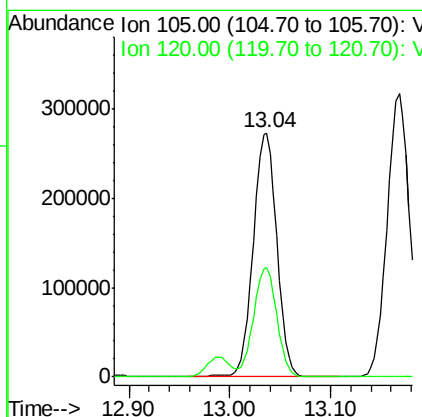
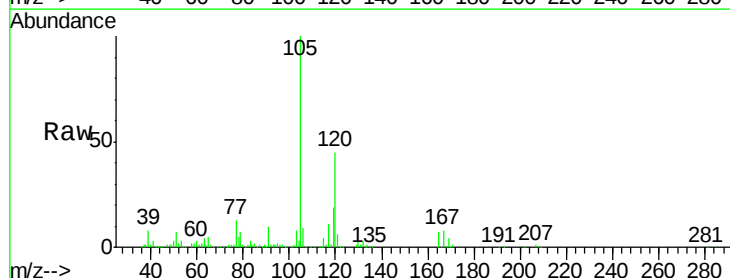
Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:47 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.359 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9





#85

sec-Butylbenzene

Concen: 44.964 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

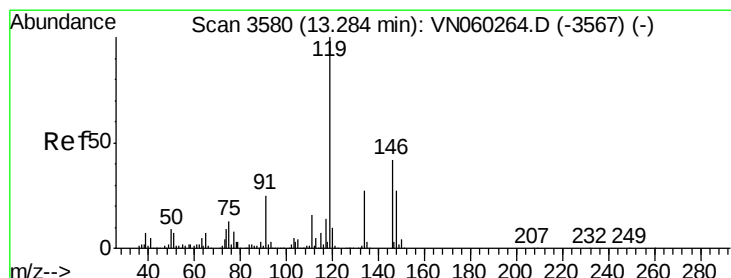
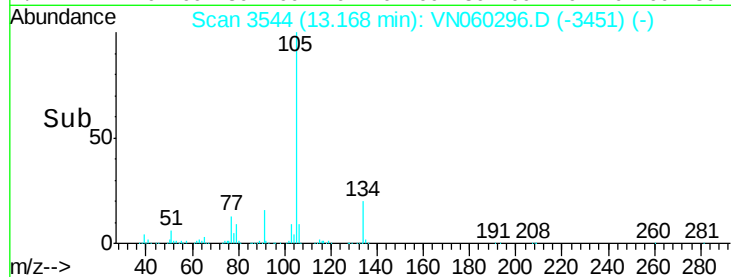
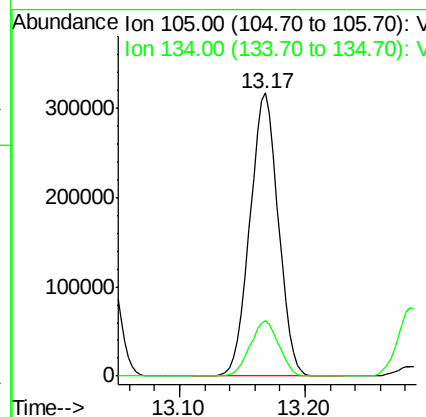
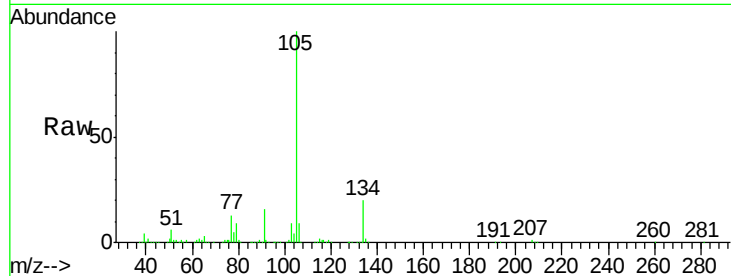
ClientSampled :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	498945		
134	19.7	9.8	29.5	

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#86

p-Isopropyltoluene

Concen: 44.017 ug/l

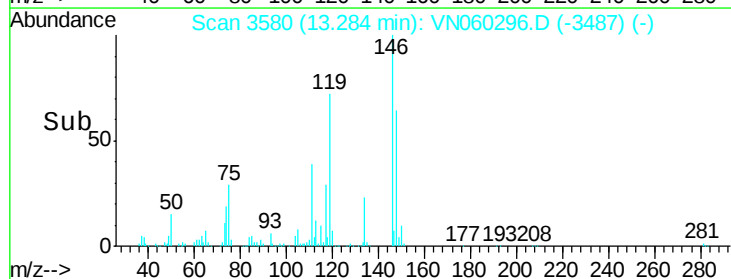
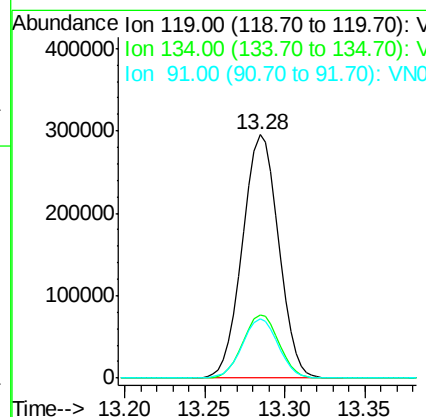
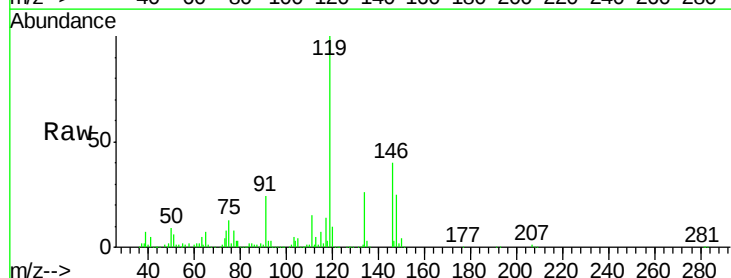
RT: 13.28 min Scan# 3580

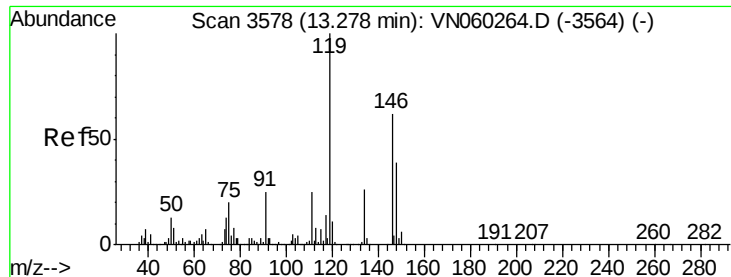
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	452082		
134	26.0	13.2	39.6	
91	24.4	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 46.797 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060296.D

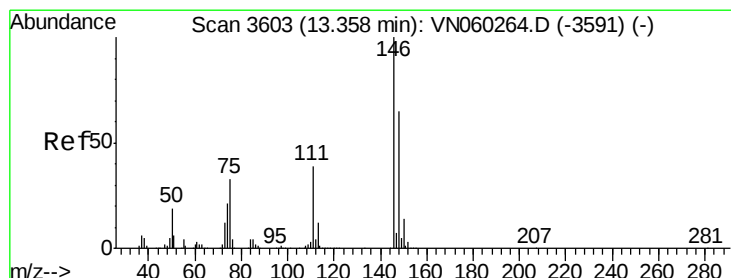
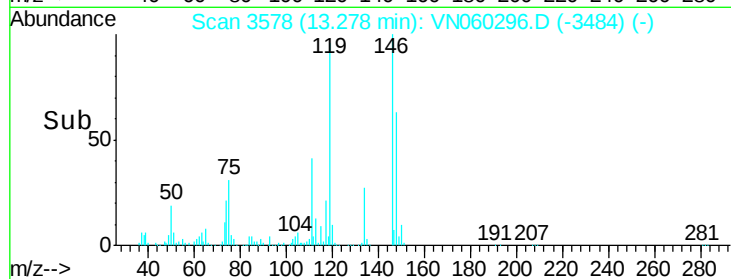
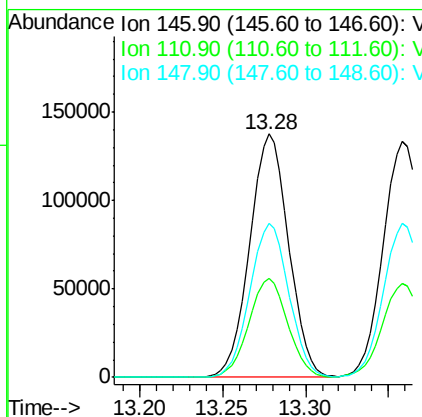
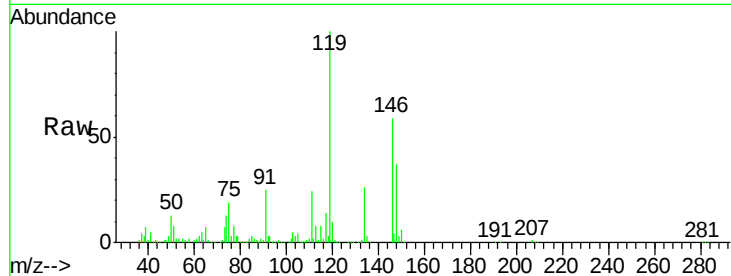
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.6	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#88

1,4-Dichlorobenzene

Concen: 46.708 ug/l

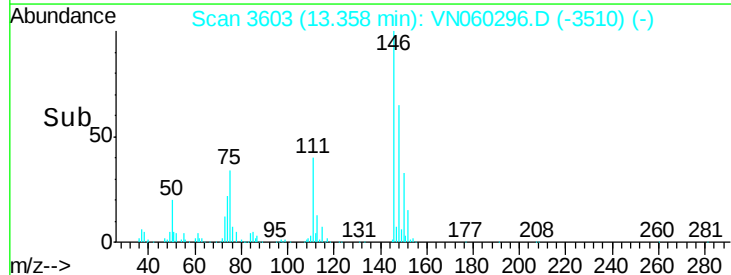
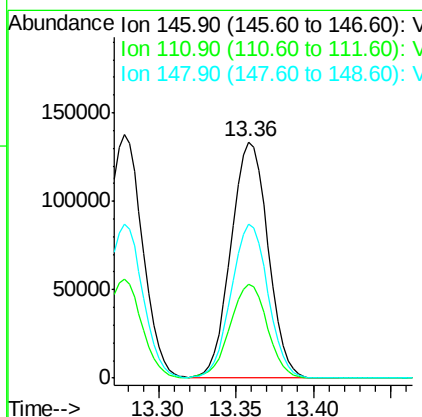
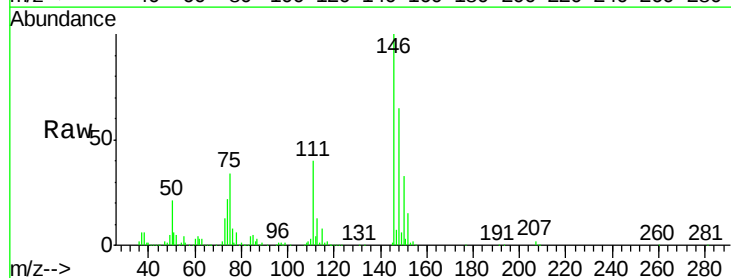
RT: 13.36 min Scan# 3603

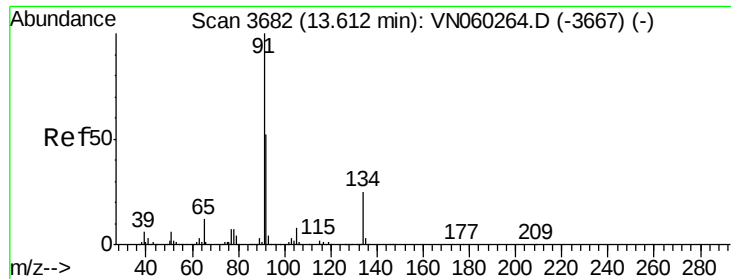
Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.8	32.3	96.9





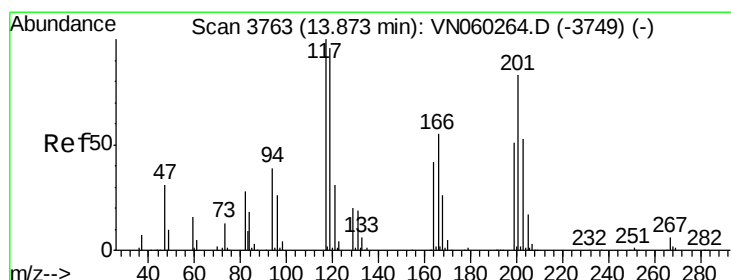
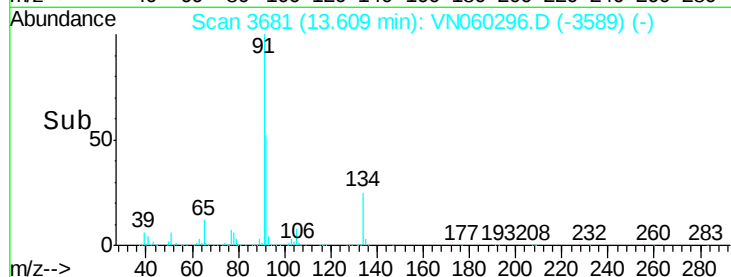
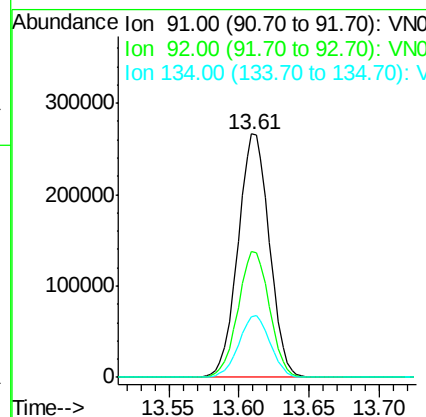
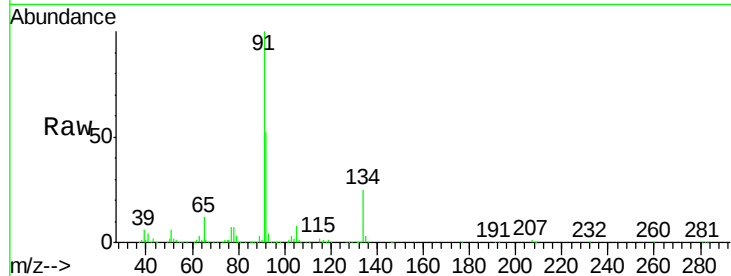
#89
n-Butylbenzene
Concen: 44.175 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	25.4	12.7	38.1

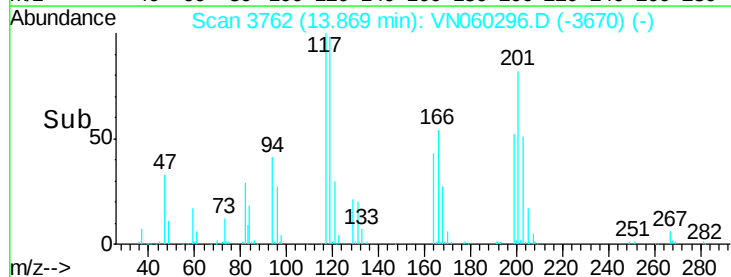
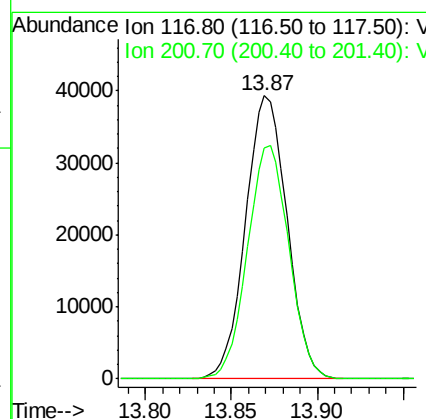
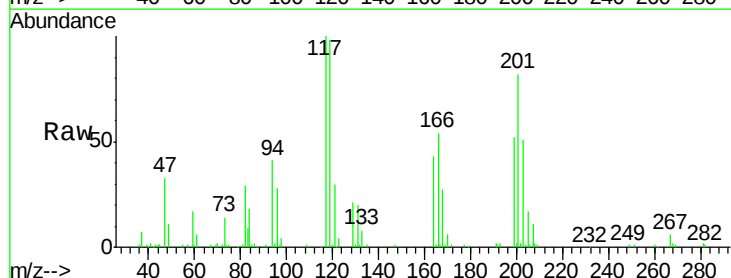
Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#90
Hexachloroethane
Concen: 44.398 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060296.D
Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 43.878 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

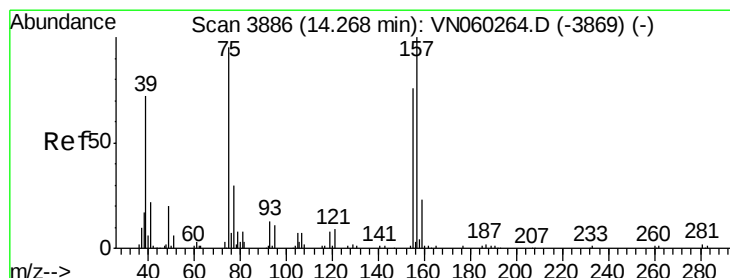
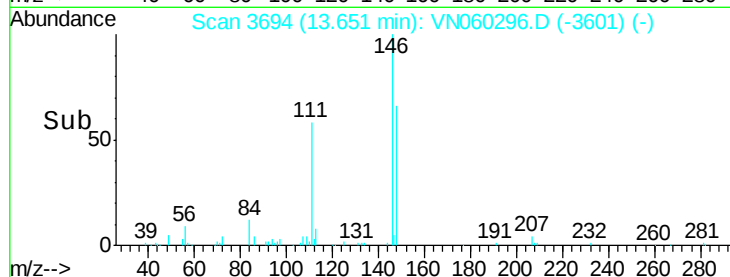
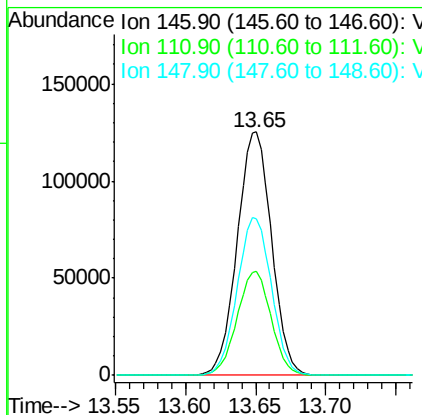
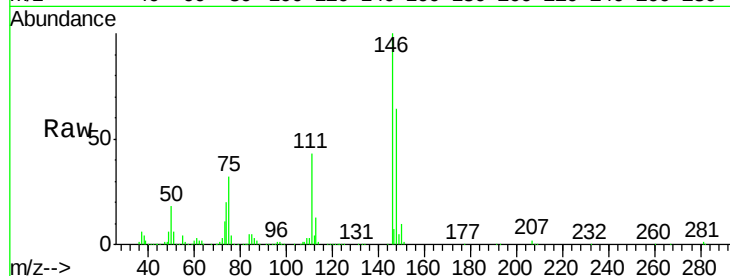
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	214242
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.3	61.0
148	64.6	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.894 ug/l

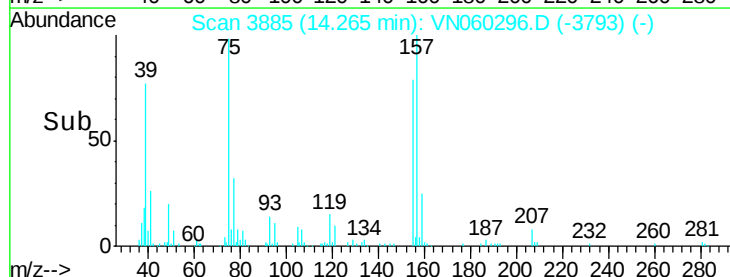
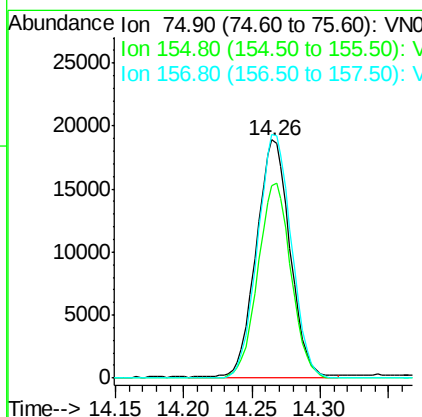
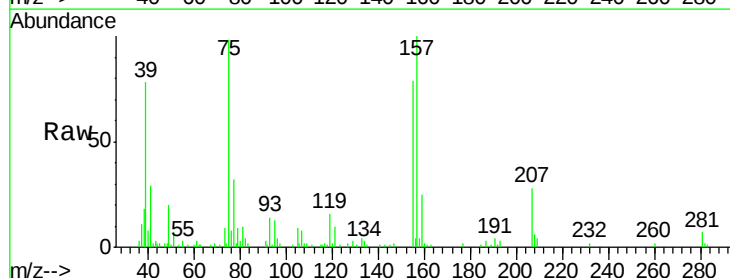
RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	75	Resp:	32814
Ion Ratio	Lower	Upper	
75	100		
155	79.1	40.4	121.2
157	100.9	52.5	157.5





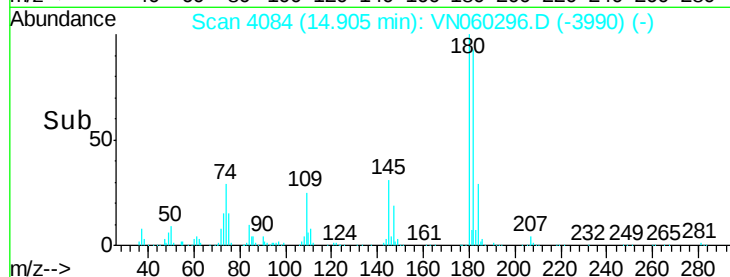
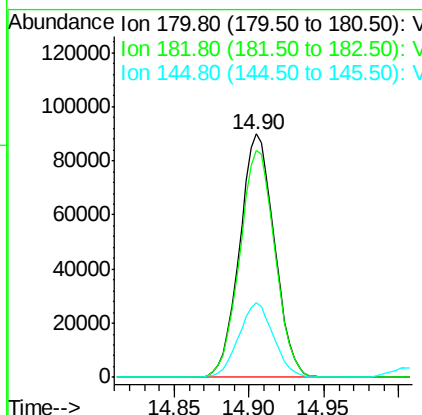
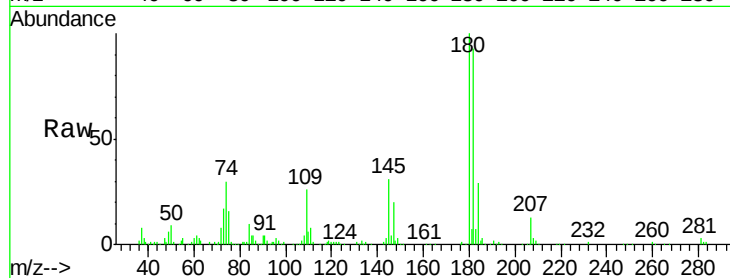
#93
 1,2,4-Trichlorobenzene
 Concen: 46.939 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145611		
182	94.4	47.8	143.3	
145	30.6	15.4	46.1	

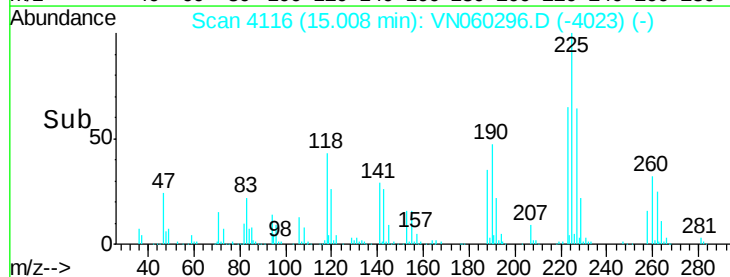
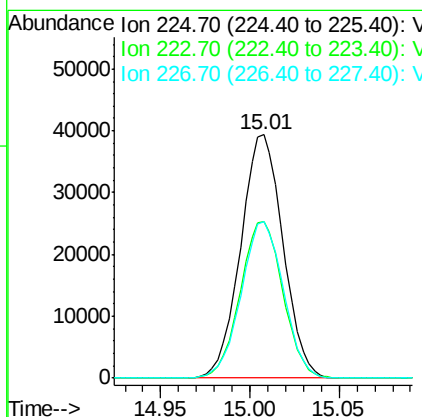
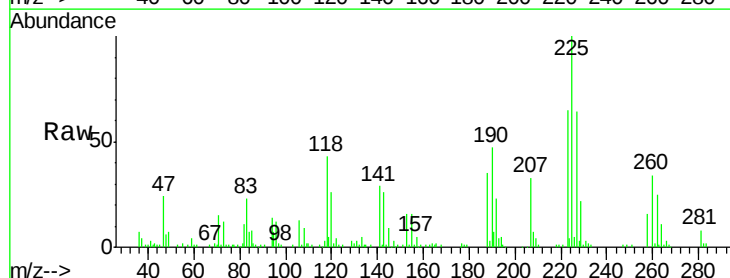
Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:47 AM



#94
 Hexachlorobutadiene
 Concen: 45.642 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060296.D
 Acq: 28 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65165		
223	64.6	31.3	93.9	
227	64.2	32.3	96.9	





#95

Naphthalene

Concen: 47.174 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Instrument :

MSVOA_N

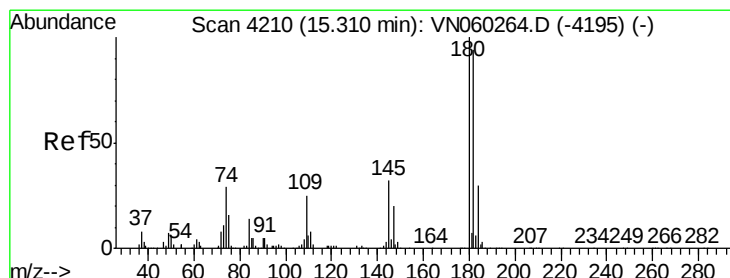
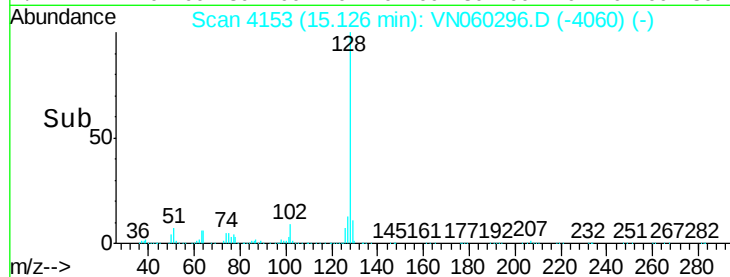
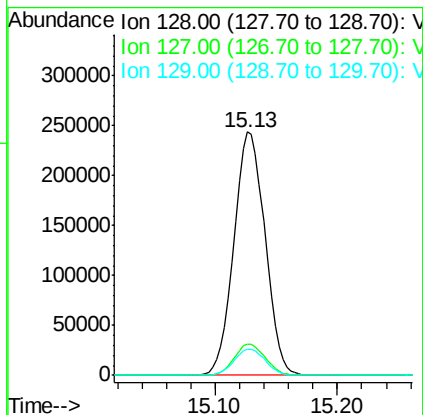
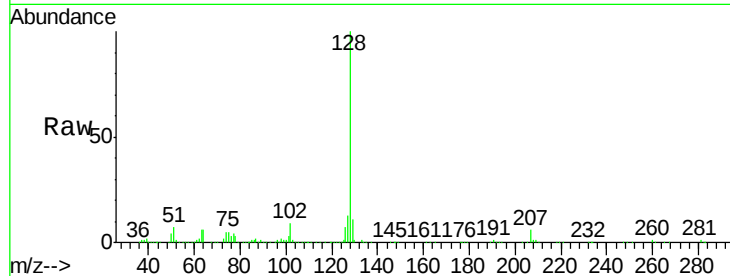
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	431227
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.292 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060296.D

Acq: 28 Feb 2020 19:36

Tgt Ion:	180	Resp:	138208
Ion Ratio		Lower	Upper
180	100		
182	95.1	47.3	142.0
145	31.9	16.2	48.5

