

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060813.D
 Acq On : 2 Apr 2020 10:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:06:16 PM

Quant Time: Apr 03 07:51:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	318930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	134388	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	7.56	113	101477	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	10.08	98	404093	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	150601	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	92851	47.998	ug/l	99
3) Chloromethane	2.04	50	161926	44.819	ug/l	100
4) Vinyl Chloride	2.17	62	129124	45.694	ug/l	98
5) Bromomethane	2.54	94	61875	50.722	ug/l	98
6) Chloroethane	2.68	64	81797	50.249	ug/l	99
7) Trichlorofluoromethane	3.00	101	174305	50.072	ug/l	98
8) Diethyl Ether	3.38	74	73302	52.418	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	106925	53.010	ug/l	99
10) Methyl Iodide	3.92	142	86316	48.091	ug/l	99
11) Tert butyl alcohol	4.72	59	93665	232.056	ug/l	99
12) 1,1-Dichloroethene	3.71	96	107523	49.674	ug/l	96
13) Acrolein	3.57	56	116462	260.342	ug/l	99
14) Allyl chloride	4.29	41	194893	51.193	ug/l	98
15) Acrylonitrile	4.94	53	302183	254.595	ug/l	100
16) Acetone	3.77	43	337270	346.927	ug/l	99
17) Carbon Disulfide	4.03	76	309298	46.984	ug/l	100
18) Methyl Acetate	4.28	43	142626	52.122	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	380588	51.140	ug/l	98
20) Methylene Chloride	4.52	84	121466	50.791	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	115974	50.272	ug/l	98
22) Diisopropyl ether	5.91	45	436066	54.217	ug/l	96
23) Vinyl Acetate	5.85	43	1761632	268.442	ug/l	99
24) 1,1-Dichloroethane	5.81	63	230677	52.610	ug/l	100
25) 2-Butanone	6.79	43	446375	283.750	ug/l	99
26) 2,2-Dichloropropane	6.79	77	197537	57.261	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	135743	51.779	ug/l	99
28) Bromochloromethane	7.17	49	103246	49.216	ug/l	99
29) Tetrahydrofuran	7.18	42	268903	241.591	ug/l	99
30) Chloroform	7.34	83	220536	52.466	ug/l	99
31) Cyclohexane	7.63	56	213144	48.219	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	187779	51.821	ug/l	99
36) 1,1-Dichloropropene	7.77	75	170248	55.128	ug/l	100
37) Ethyl Acetate	6.89	43	172451	51.680	ug/l	99
38) Carbon Tetrachloride	7.75	117	152128	54.963	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060813.D
 Acq On : 2 Apr 2020 10:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:06:16 PM

Quant Time: Apr 03 07:51:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	206863	56.366	ug/l	98
40) Benzene	8.02	78	505576	54.231	ug/l	99
41) Methacrylonitrile	7.14	41	80507m	56.532	ug/l	
42) 1,2-Dichloroethane	8.10	62	173549	54.472	ug/l	99
43) Isopropyl Acetate	8.14	43	294697	53.550	ug/l	99
44) Trichloroethene	8.81	130	128581	54.712	ug/l	100
45) 1,2-Dichloropropane	9.10	63	138476	56.293	ug/l	98
46) Dibromomethane	9.19	93	82049	55.171	ug/l	99
47) Bromodichloromethane	9.38	83	173189	56.042	ug/l	99
48) Methyl methacrylate	9.18	41	130786	53.378	ug/l	99
49) 1,4-Dioxane	9.17	88	30985	1063.927	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	846811	270.412	ug/l	100
52) Toluene	10.14	92	307619	54.637	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	204493	57.606	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	219600	56.389	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	118350	54.639	ug/l	99
56) Ethyl methacrylate	10.42	69	189274	56.042	ug/l	99
57) 1,3-Dichloropropane	10.70	76	207998	55.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	504978	300.837	ug/l	100
59) 2-Hexanone	10.74	43	636502	282.159	ug/l	99
60) Dibromochloromethane	10.89	129	127479	56.976	ug/l	99
61) 1,2-Dibromoethane	10.99	107	120861	55.490	ug/l	100
64) Tetrachloroethene	10.62	164	123118	53.189	ug/l	98
65) Chlorobenzene	11.42	112	318075	54.546	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	117622	55.710	ug/l	98
67) Ethyl Benzene	11.50	91	599845	55.315	ug/l	100
68) m/p-Xylenes	11.61	106	445005	110.430	ug/l	100
69) o-Xylene	11.94	106	212577	55.260	ug/l	100
70) Styrene	11.96	104	354036	56.272	ug/l	100
71) Bromoform	12.12	173	90741	51.653	ug/l #	100
73) Isopropylbenzene	12.24	105	574799	53.261	ug/l	100
74) N-amyl acetate	12.06	43	256143	51.363	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	168374	51.591	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	165403m	53.303	ug/l	
77) Bromobenzene	12.52	156	134939	51.889	ug/l	99
78) n-propylbenzene	12.59	91	685577	53.769	ug/l	100
79) 2-Chlorotoluene	12.67	91	397402	52.164	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	485642	53.026	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63249	52.349	ug/l	100
82) 4-Chlorotoluene	12.77	91	411158	52.990	ug/l	100
83) tert-Butylbenzene	12.99	119	408748	53.838	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	491579	54.254	ug/l	100
85) sec-Butylbenzene	13.17	105	568491	55.684	ug/l	100
86) p-Isopropyltoluene	13.28	119	512561	55.832	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	248698	54.223	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	249094	54.055	ug/l	99
89) n-Butylbenzene	13.61	91	486010	58.636	ug/l	100
90) Hexachloroethane	13.87	117	79439	59.529	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	237368	54.123	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32628	47.719	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
Data File : VN060813.D
Acq On : 2 Apr 2020 10:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM

Quant Time: Apr 03 07:51:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	154165	57.242	ug/l	99
94) Hexachlorobutadiene	15.01	225	80446	60.931	ug/l	99
95) Naphthalene	15.13	128	417667	51.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	145654	54.906	ug/l	100

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

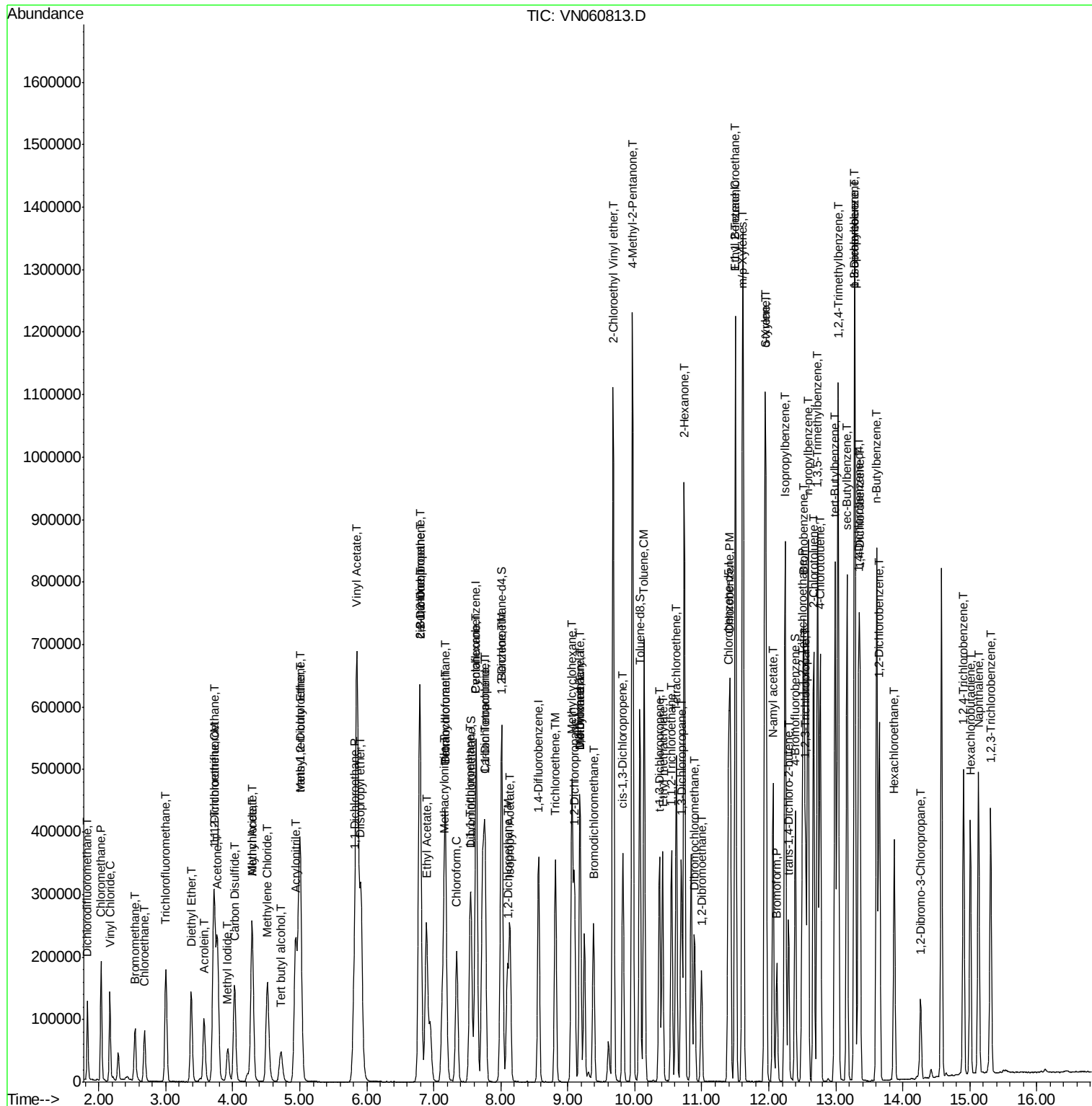
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040220\
Data File : VN060813.D
Acq On : 2 Apr 2020 10:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM

Quant Time: Apr 03 07:51:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 199925

Ion Ratio Lower Upper

168 100

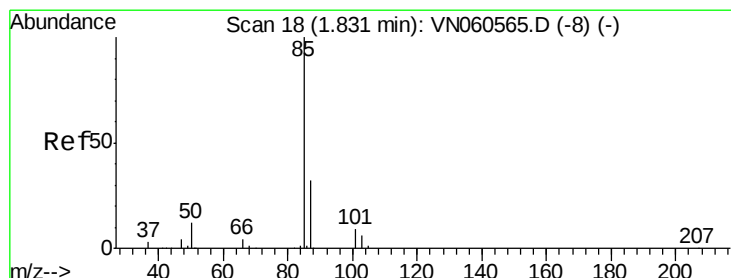
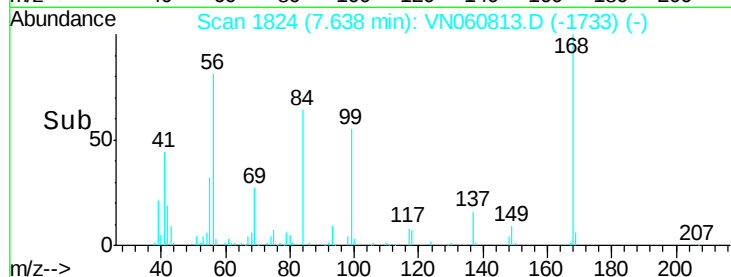
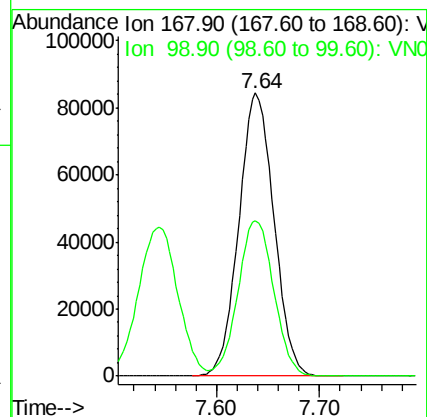
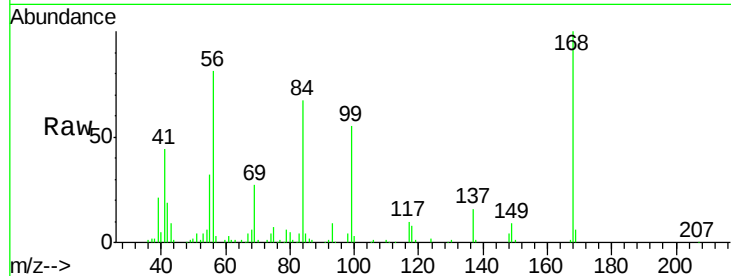
99 55.1 44.0 66.0

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:06:16 PM



#2

Dichlorodifluoromethane

Concen: 47.998 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060813.D

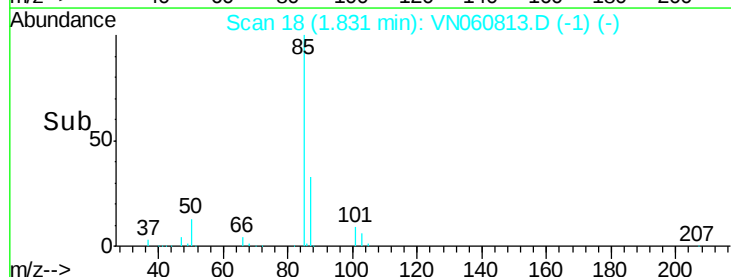
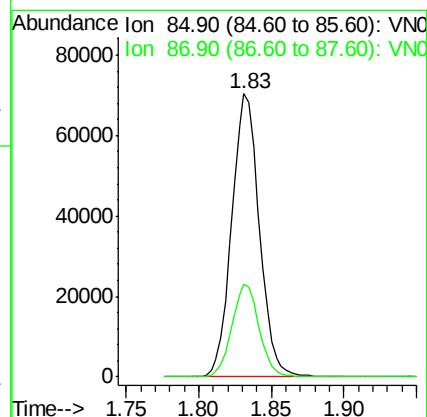
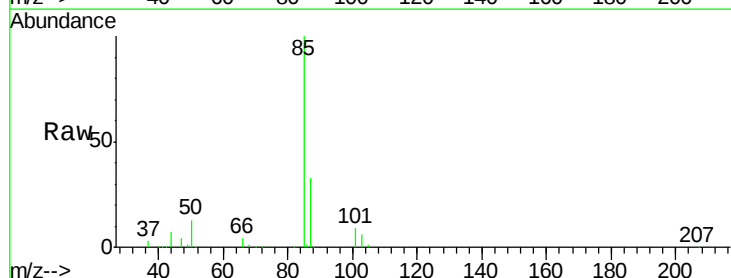
Acq: 2 Apr 2020 10:33

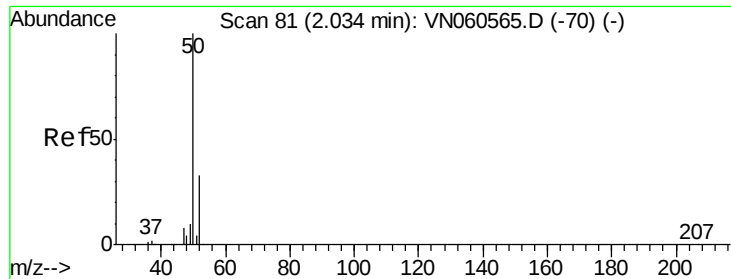
Tgt Ion: 85 Resp: 92851

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5





#3

Chloromethane

Concen: 44.819 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 161926

Ion Ratio Lower Upper

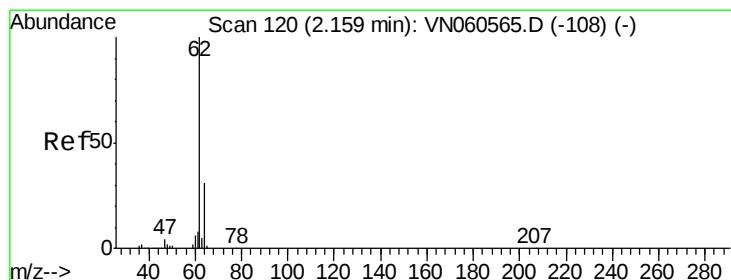
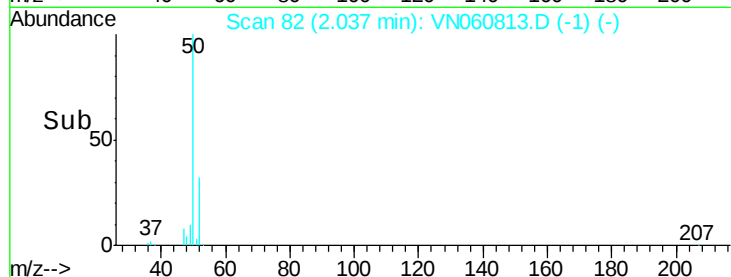
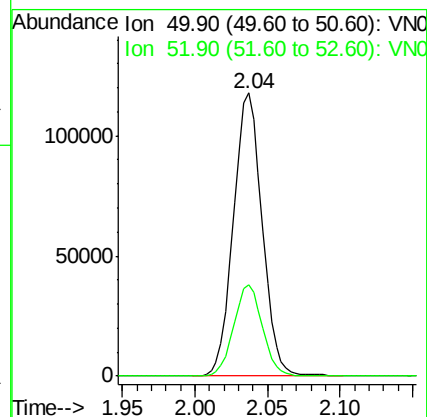
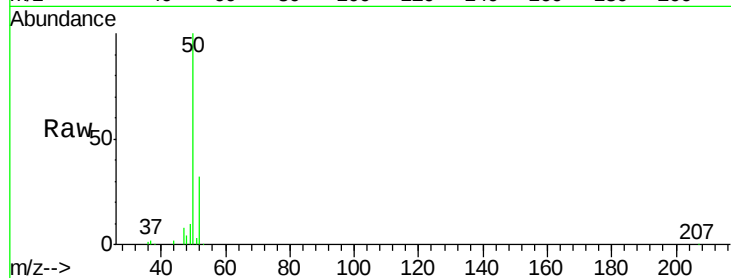
50 100

52 32.5 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

4/3/2020 12:06:16 PM



#4

Vinyl Chloride

Concen: 45.694 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060813.D

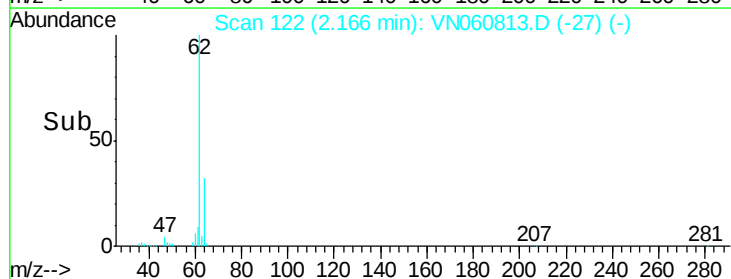
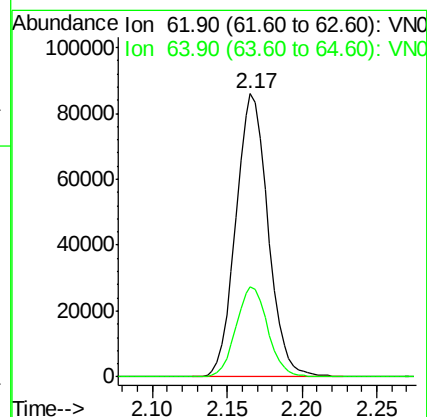
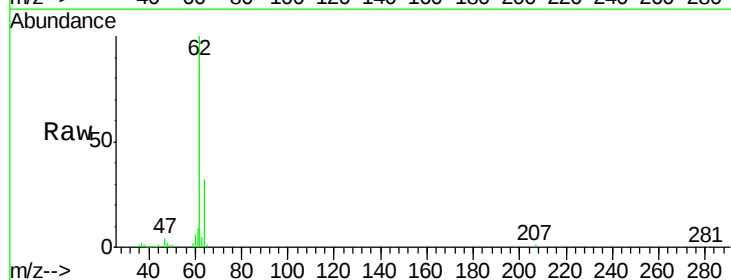
Acq: 2 Apr 2020 10:33

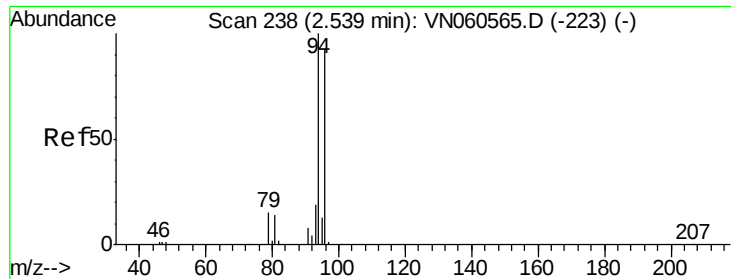
Tgt Ion: 62 Resp: 129124

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 50.722 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61875

Ion Ratio Lower Upper

94 100

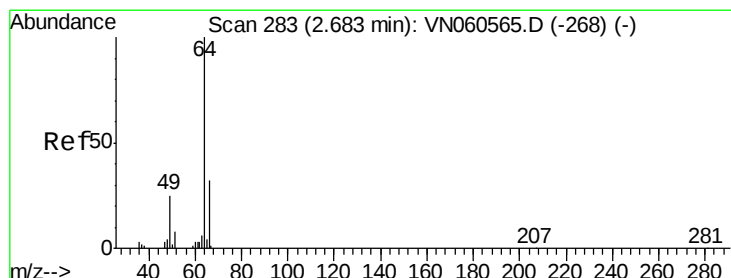
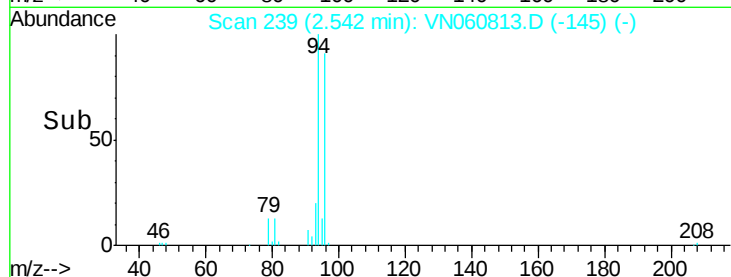
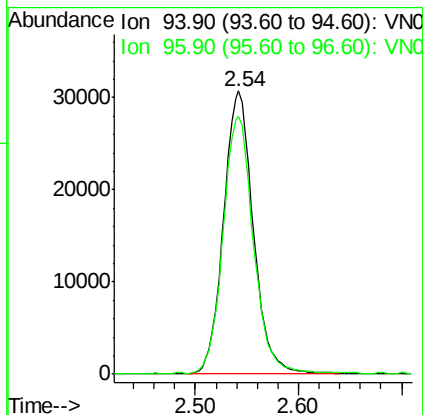
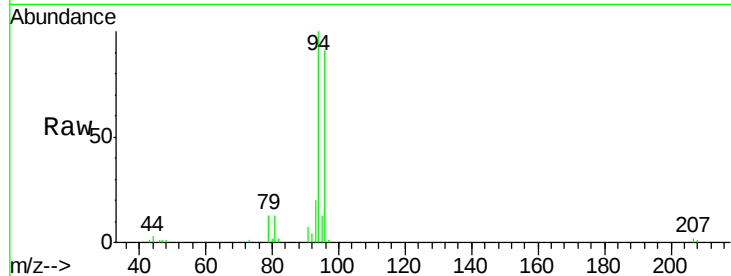
96 91.1 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:06:16 PM



#6

Chloroethane

Concen: 50.249 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060813.D

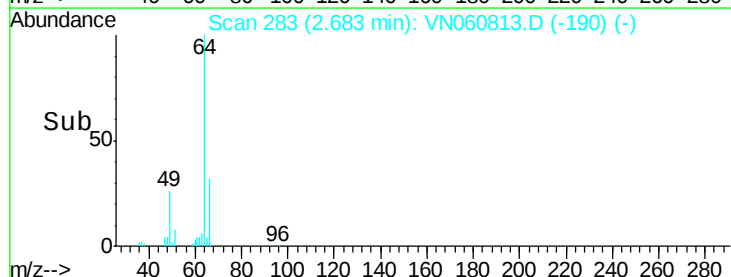
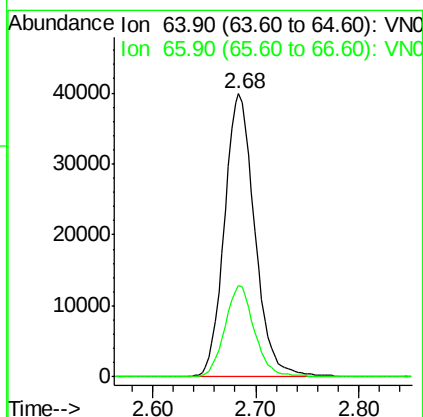
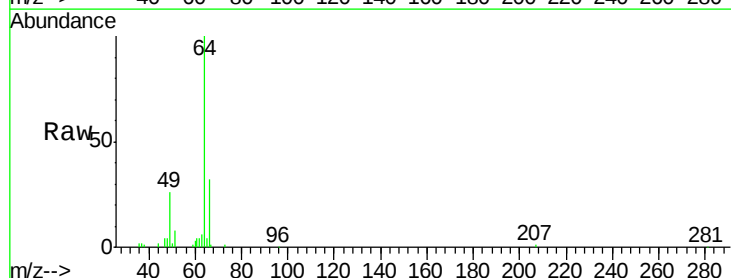
Acq: 2 Apr 2020 10:33

Tgt Ion: 64 Resp: 81797

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9





#7

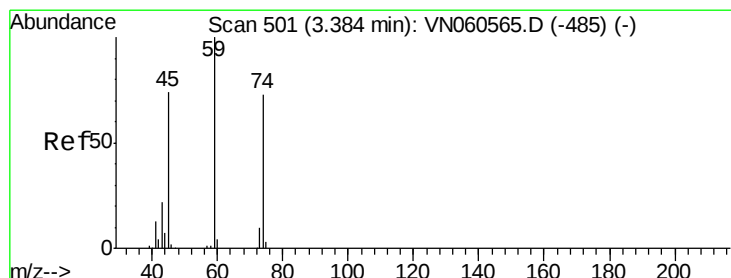
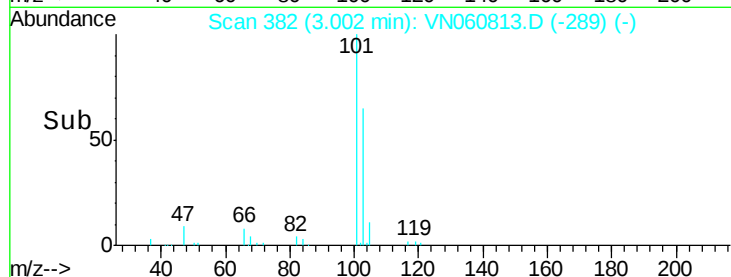
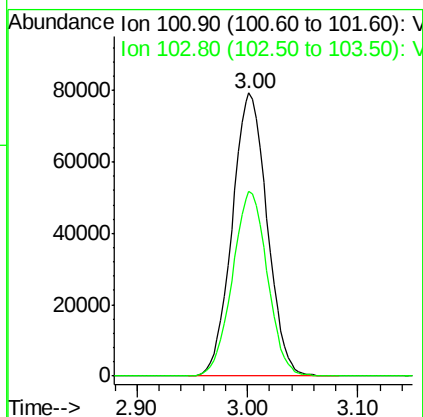
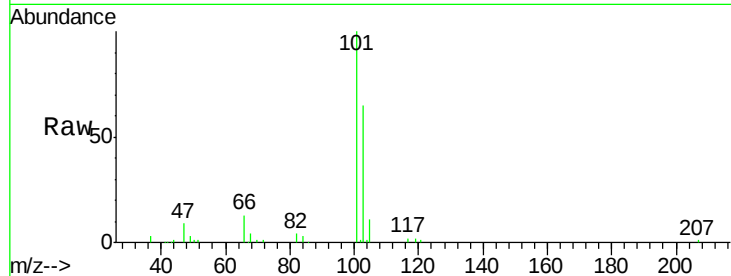
Trichlorofluoromethane
 Concen: 50.072 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.6	76.0

Manual Integrations
 APPROVED

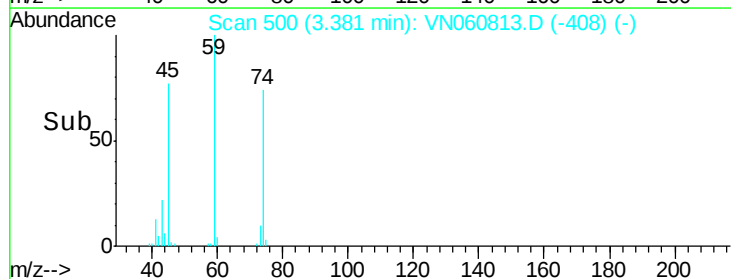
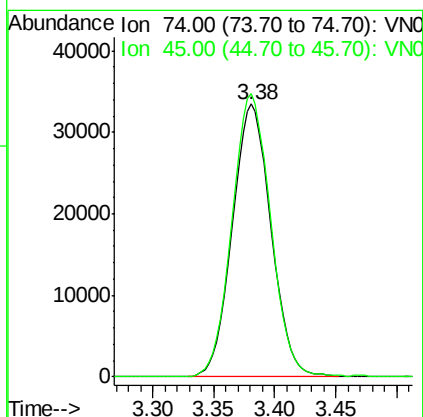
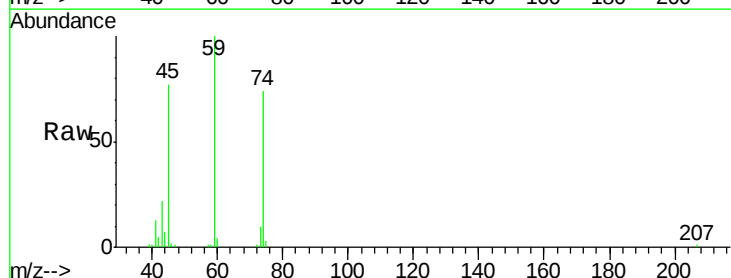
MMDadoda
 4/3/2020 12:06:16 PM



#8

Diethyl Ether
 Concen: 52.418 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.010 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

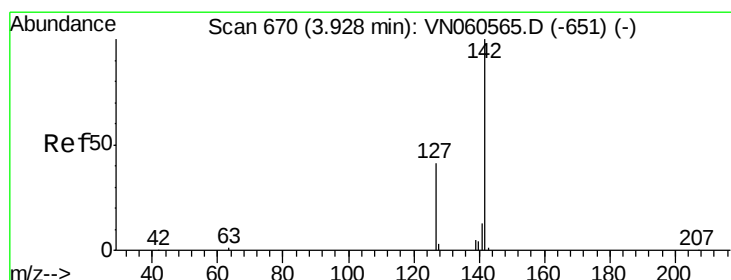
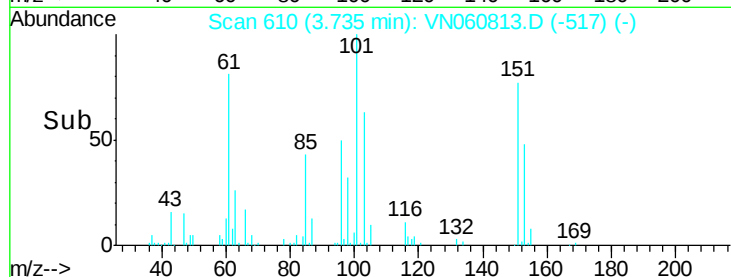
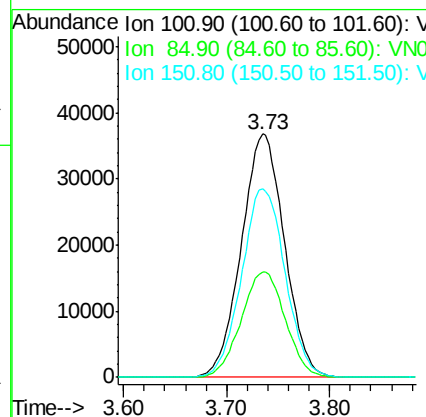
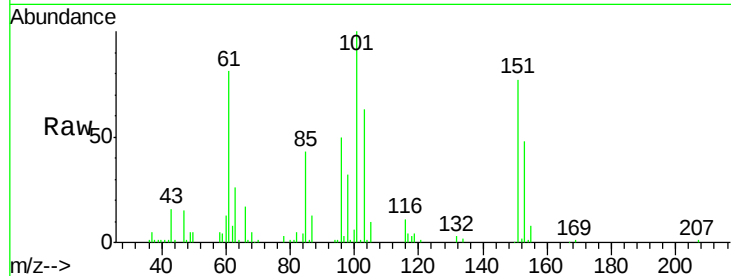
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	106925
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	78.3	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#10

Methyl Iodide

Concen: 48.091 ug/l

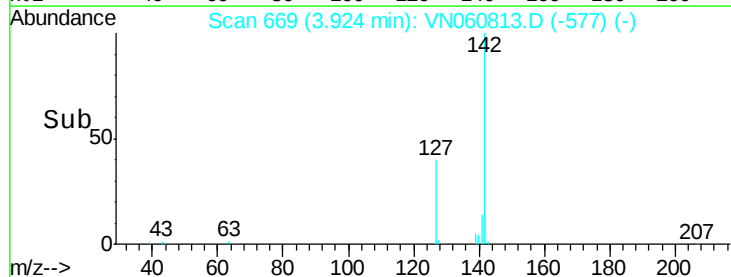
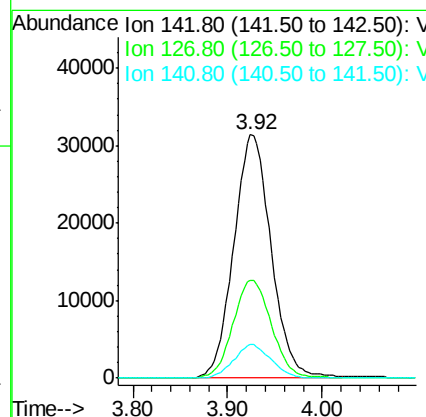
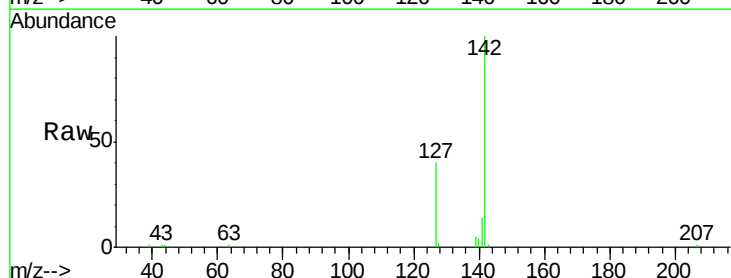
RT: 3.92 min Scan# 669

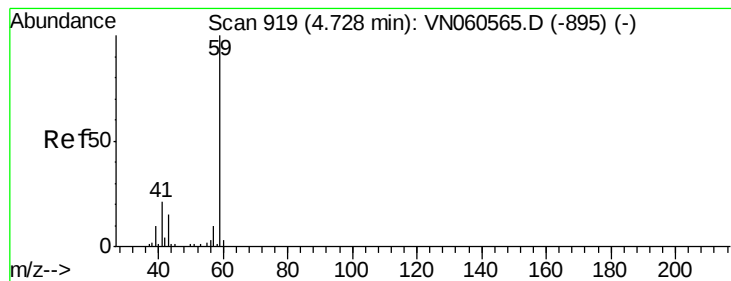
Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion:	142	Resp:	86316
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.5	50.3
141	13.7	11.0	16.6





#11

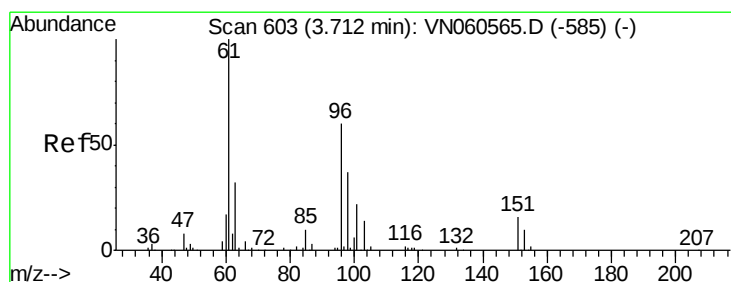
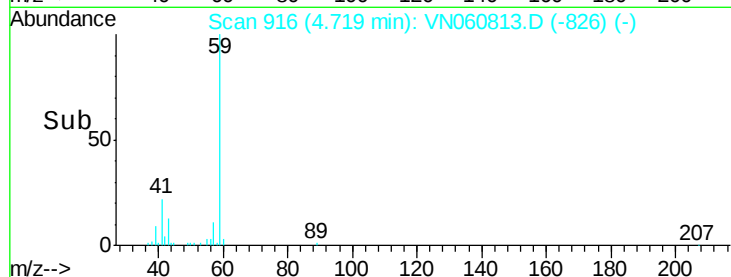
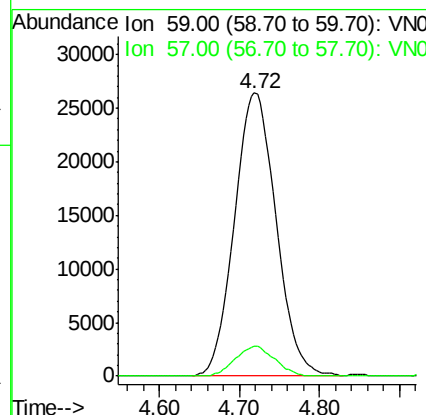
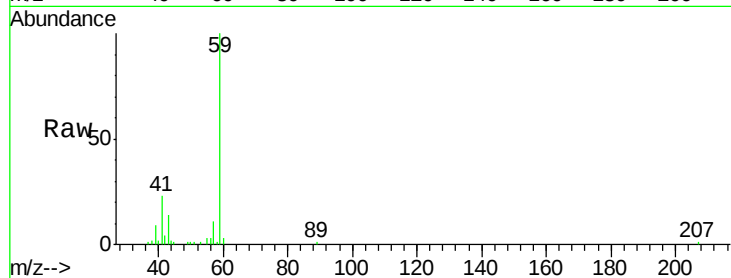
Tert butyl alcohol
Concen: 232.056 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

Manual Integrations
APPROVED

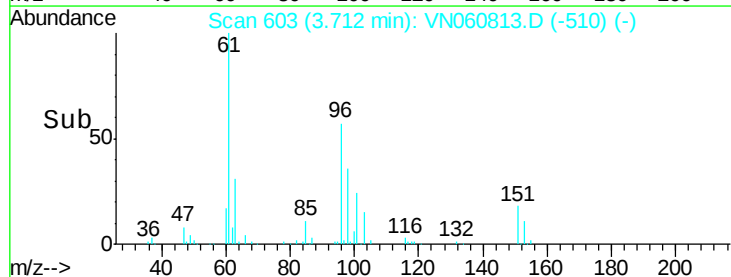
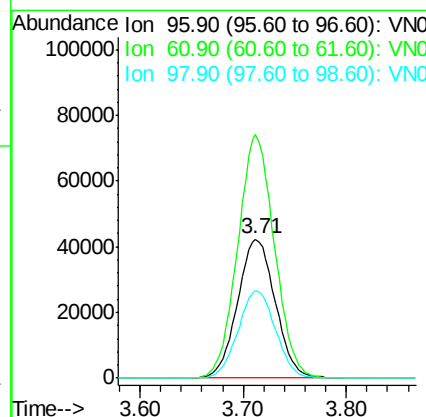
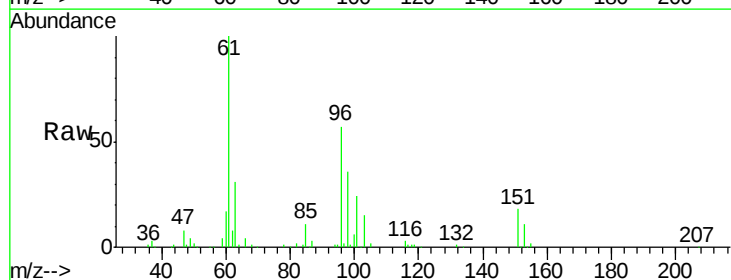
MMDadoda
4/3/2020 12:06:16 PM

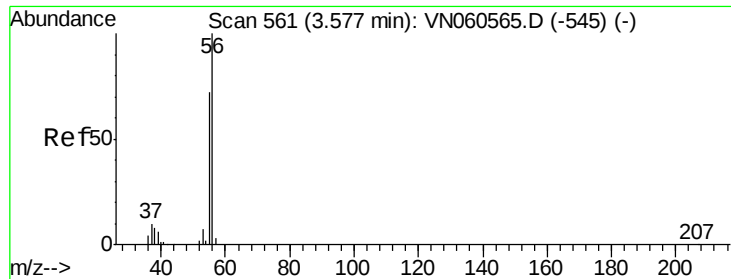


#12

1,1-Dichloroethene
Concen: 49.674 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.5	134.1	201.1
98	62.9	49.9	74.9





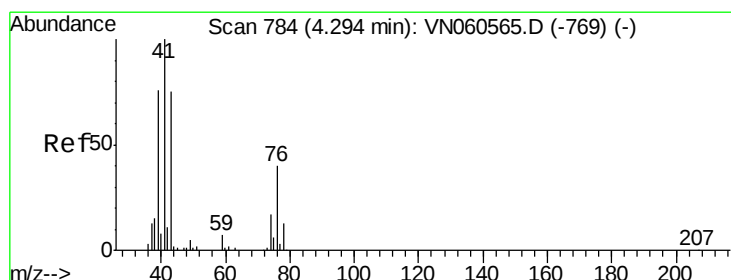
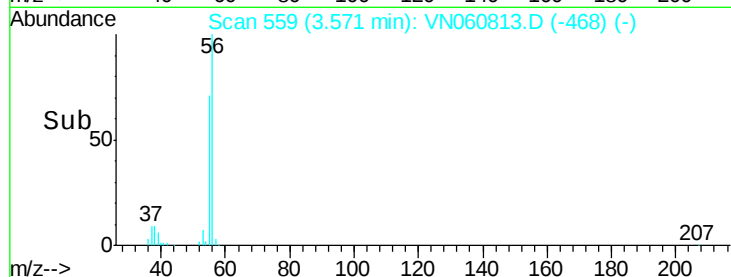
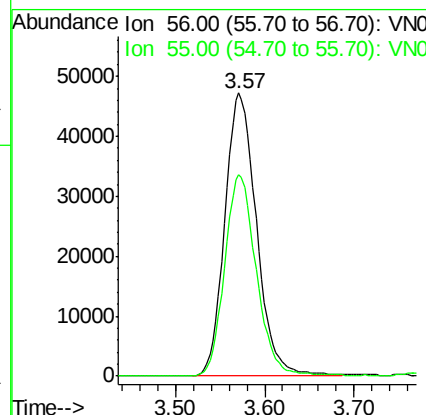
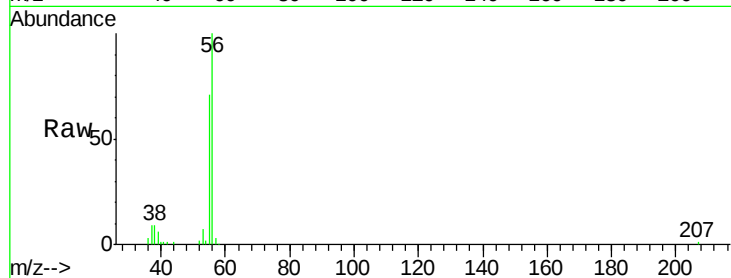
#13
Acrolein
Concen: 260.342 ug/l
RT: 3.57 min Scan# 559
Delta R.T. -0.01 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	116462
Ion Ratio	100	Lower	Upper
56	100		
55	70.4	56.7	85.1

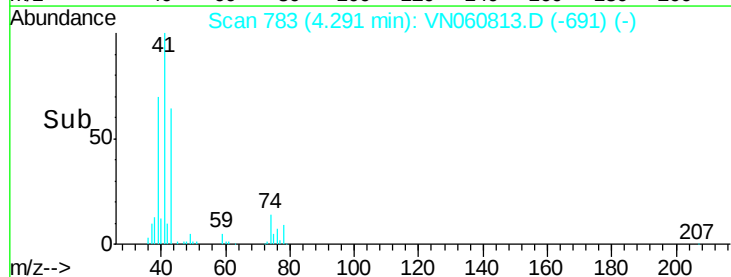
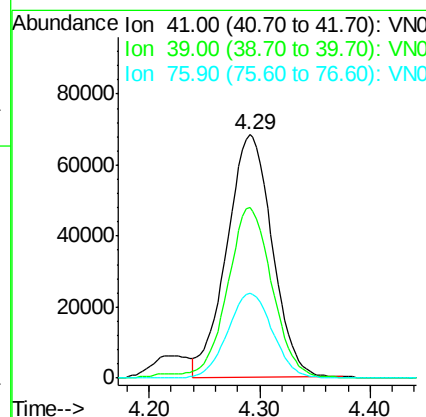
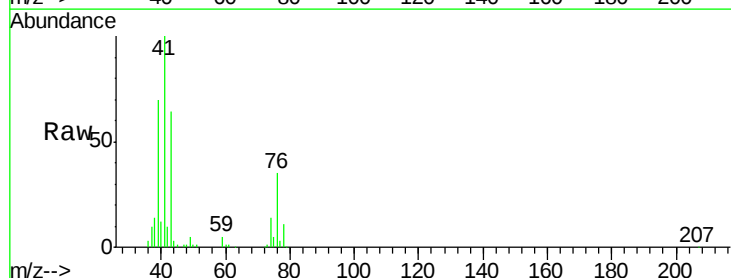
Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#14
Allyl chloride
Concen: 51.193 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	41	Resp	194893
Ion Ratio	100	Lower	Upper
41	100		
39	70.7	57.8	86.8
76	34.9	28.6	43.0





#15

Acrylonitrile

Concen: 254.595 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

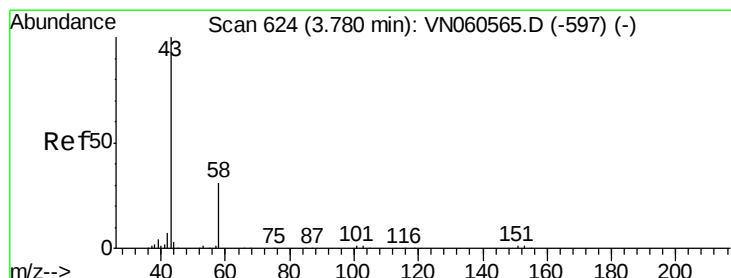
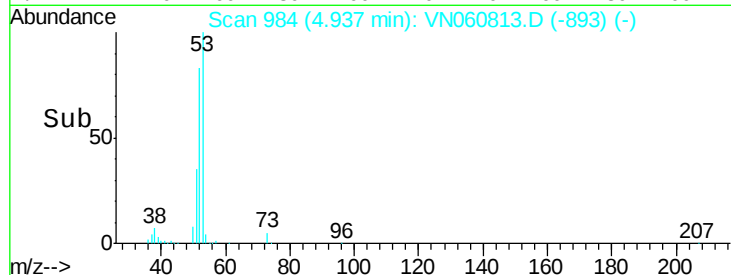
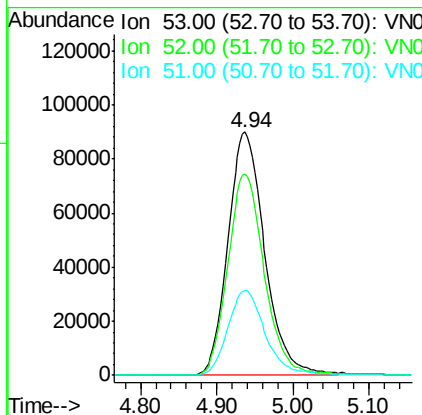
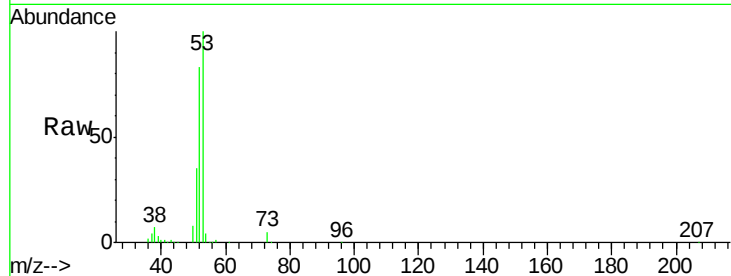
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	302183
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.2	99.4
51	35.7	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#16

Acetone

Concen: 346.927 ug/l

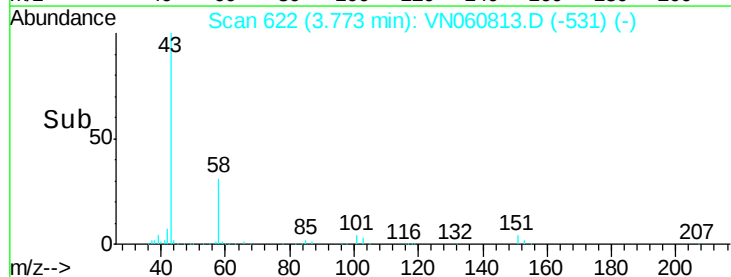
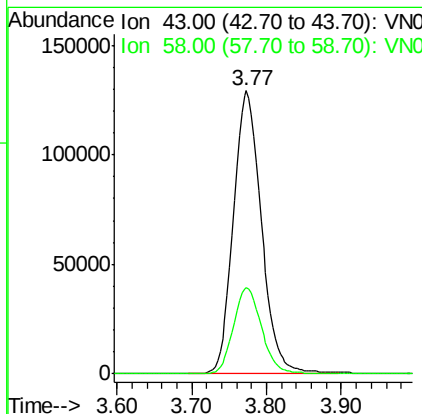
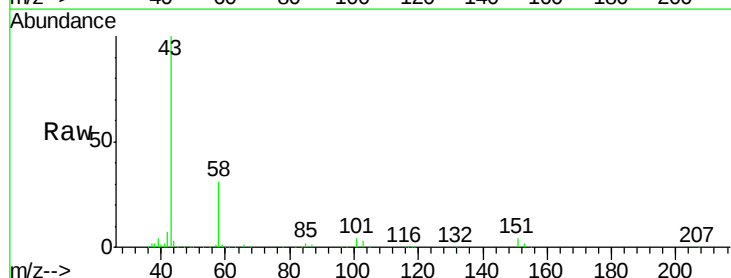
RT: 3.77 min Scan# 622

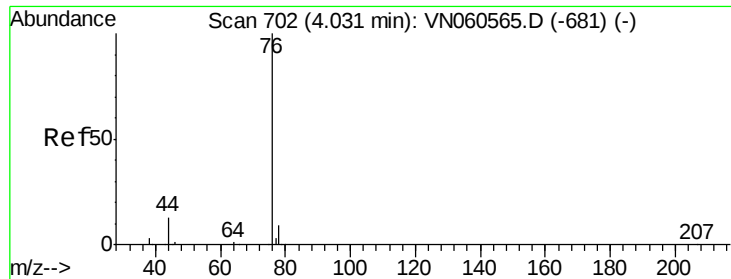
Delta R.T. -0.01 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion:	43	Resp:	337270
Ion Ratio		Lower	Upper
43	100		
58	30.6	25.1	37.7





#17

Carbon Disulfide

Concen: 46.984 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 309298

Ion Ratio Lower Upper

76 100

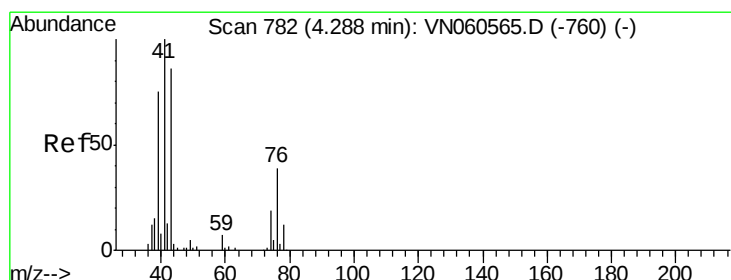
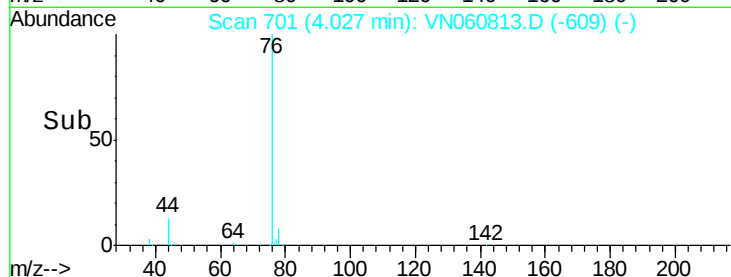
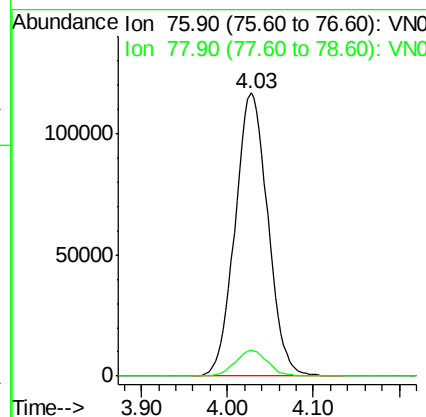
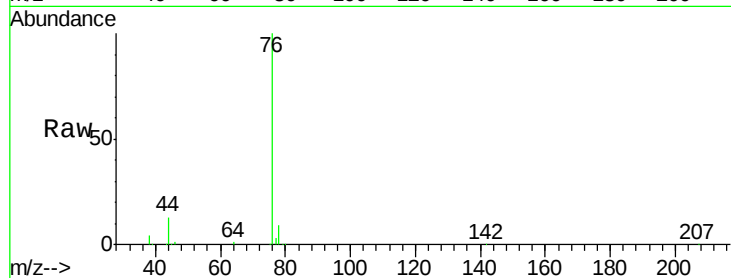
78 9.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:06:16 PM



#18

Methyl Acetate

Concen: 52.122 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.01 min

Lab File: VN060813.D

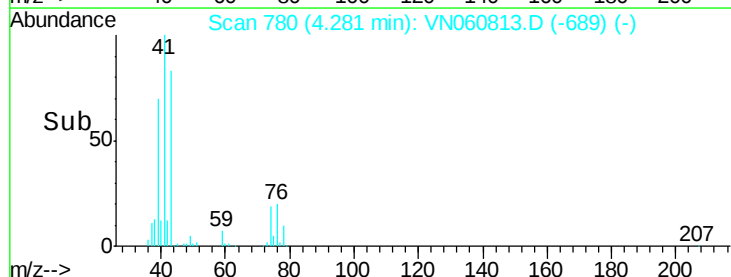
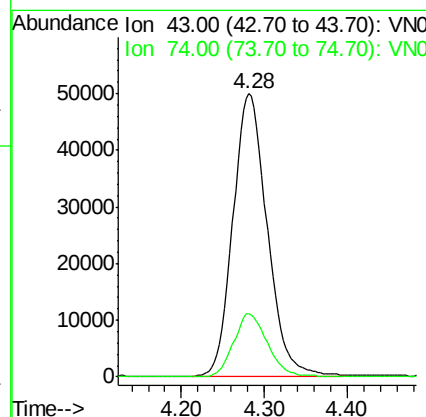
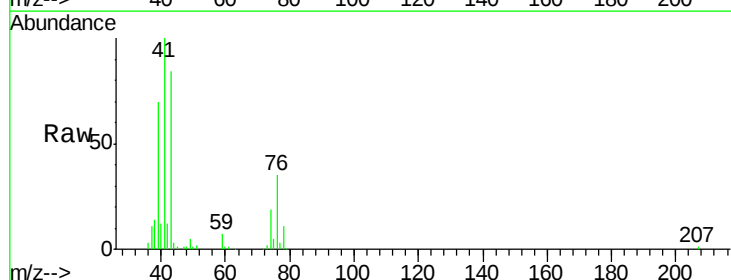
Acq: 2 Apr 2020 10:33

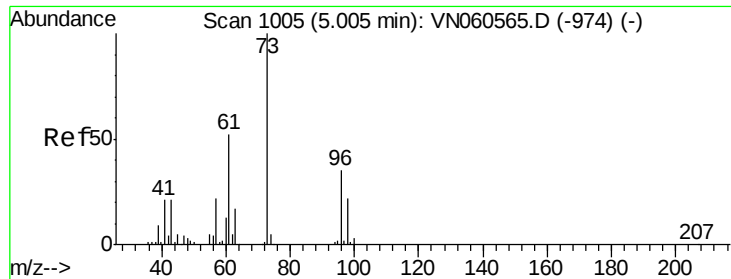
Tgt Ion: 43 Resp: 142626

Ion Ratio Lower Upper

43 100

74 22.2 17.5 26.3





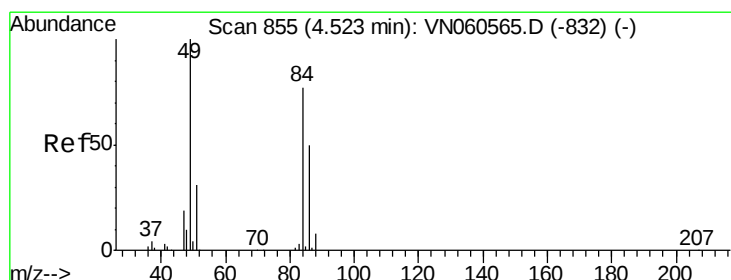
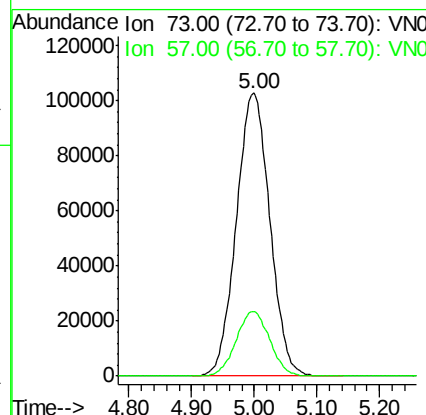
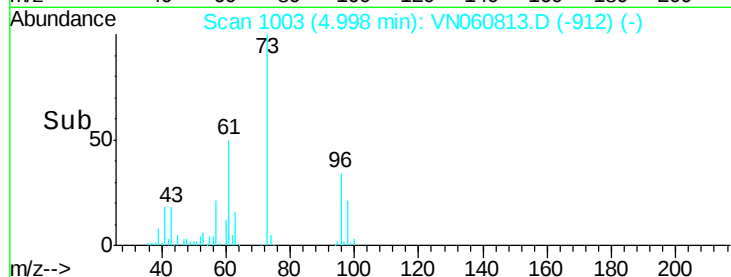
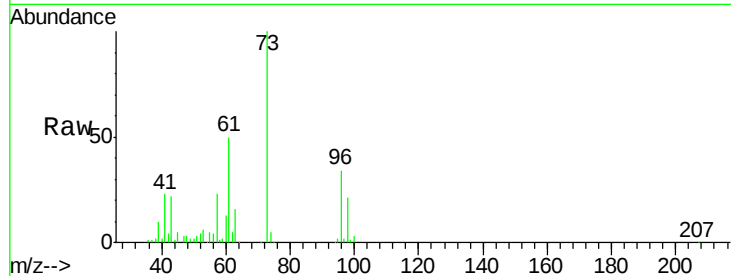
#19
Methyl tert-butyl Ether
Concen: 51.140 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 380588
Ion Ratio Lower Upper
73 100
57 22.9 17.5 26.3

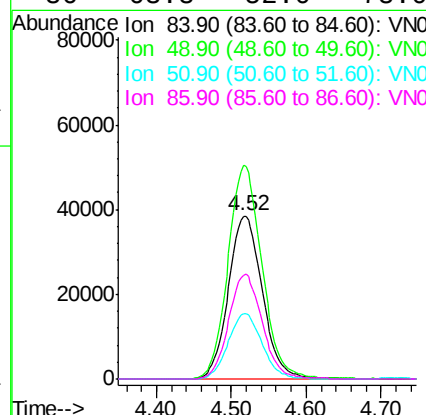
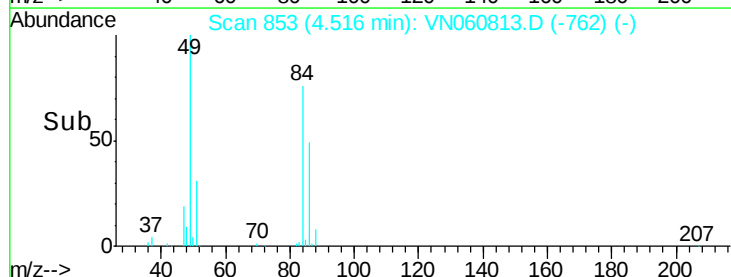
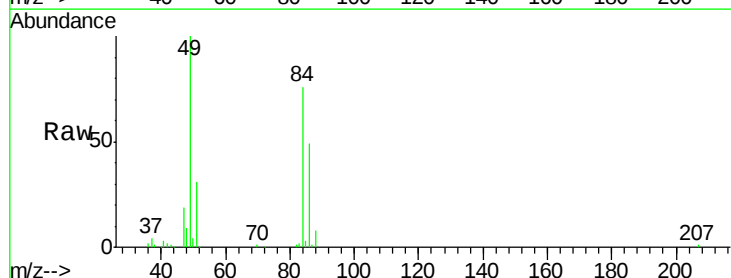
Manual Integrations
APPROVED

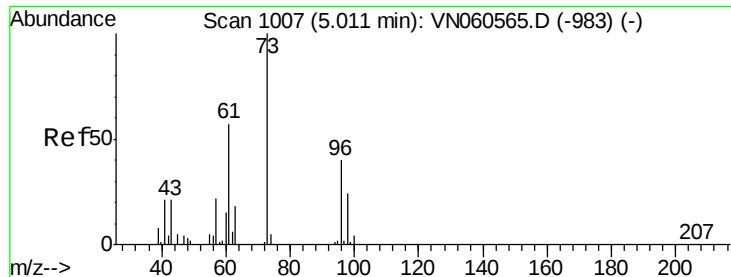
MMDadoda
4/3/2020 12:06:16 PM



#20
Methylene Chloride
Concen: 50.791 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion: 84 Resp: 121466
Ion Ratio Lower Upper
84 100
49 131.0 103.3 154.9
51 40.2 31.6 47.4
86 63.8 52.0 78.0





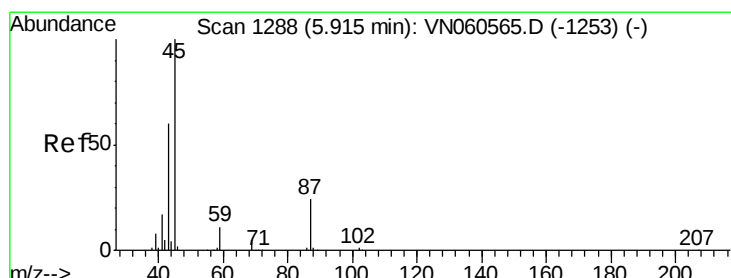
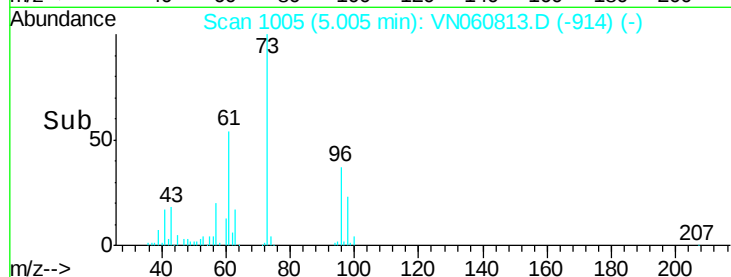
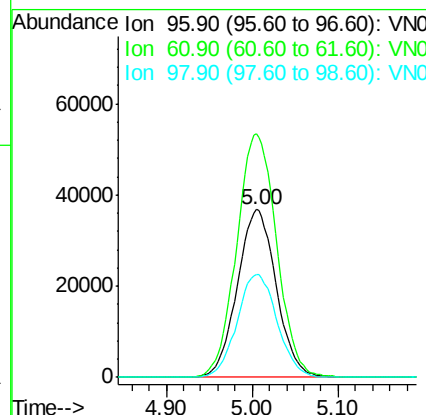
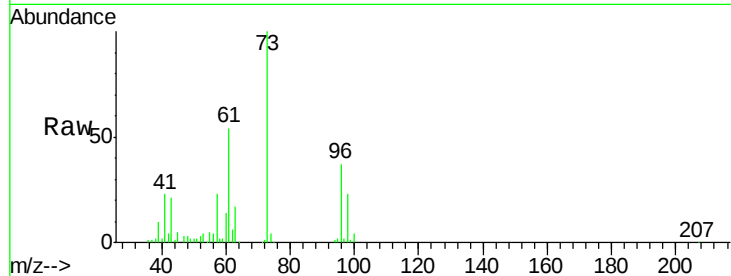
#21
trans-1,2-Dichloroethene
Concen: 50.272 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	114.4	171.6
98	61.4	48.4	72.6

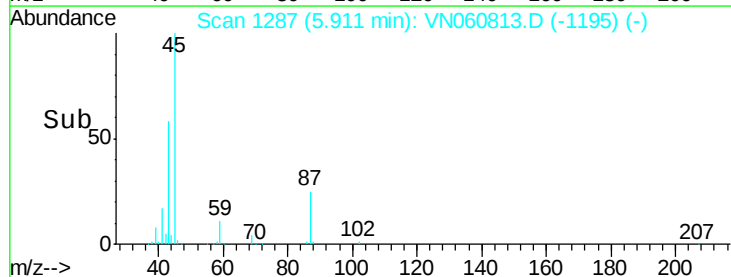
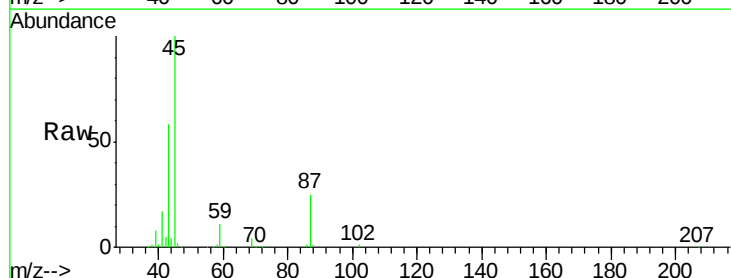
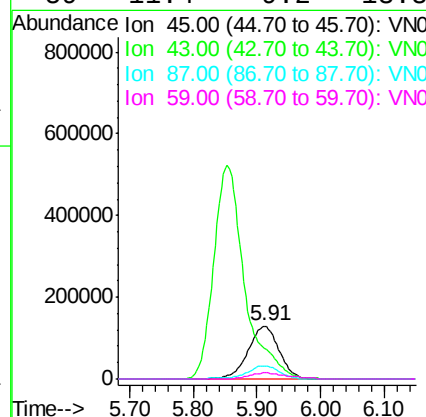
Manual Integrations
APPROVED

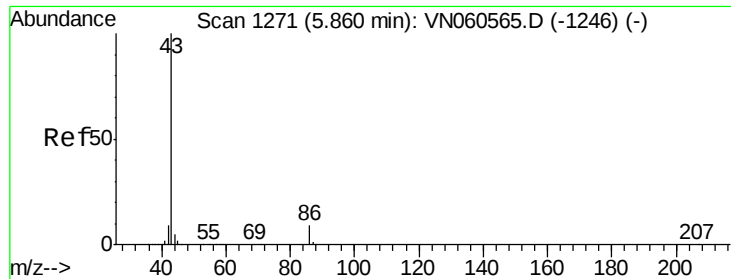
MMDadoda
4/3/2020 12:06:16 PM



#22
Diisopropyl ether
Concen: 54.217 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	49.8	74.8
87	24.8	20.1	30.1
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 268.442 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1761632

Ion Ratio Lower Upper

43 100

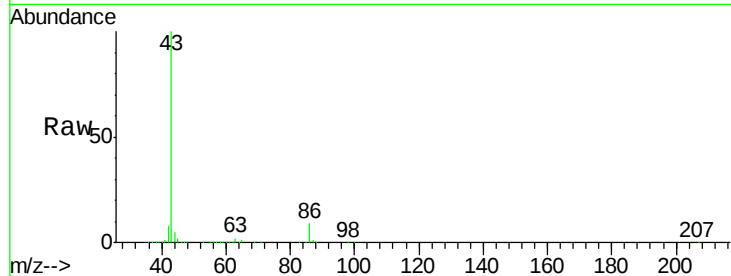
86 9.2 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:06:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060813.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060813.D (-1178) (-)

5.85

600000

500000

400000

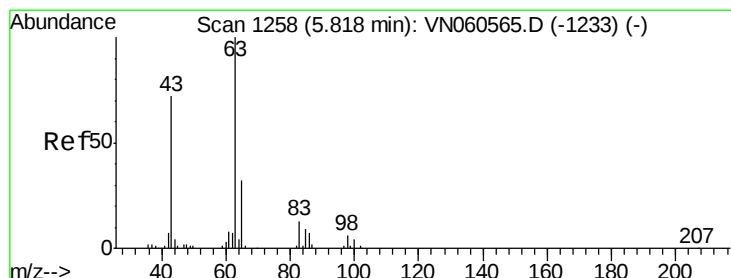
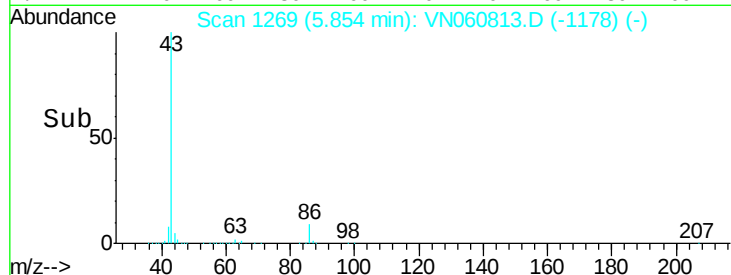
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.610 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

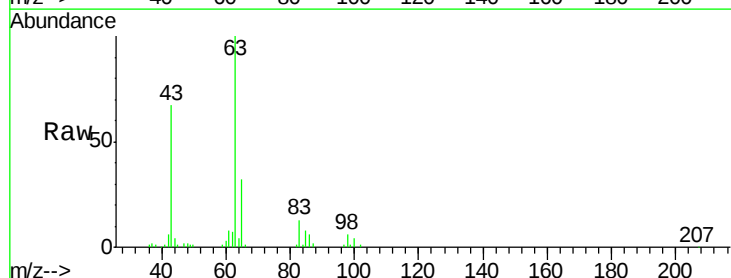
Tgt Ion: 63 Resp: 230677

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060813.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060813.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060813.D (-1165) (-)

5.81

100000

80000

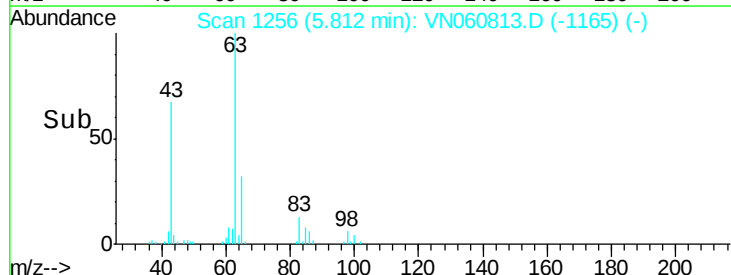
60000

40000

20000

0

Time-->





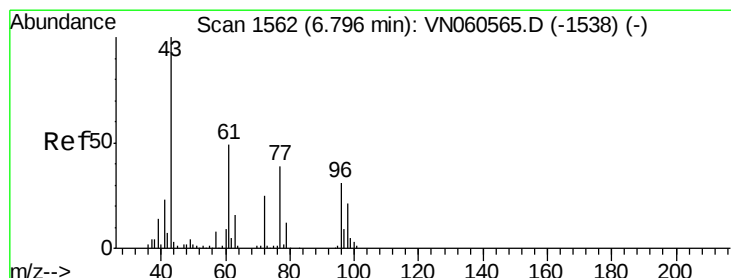
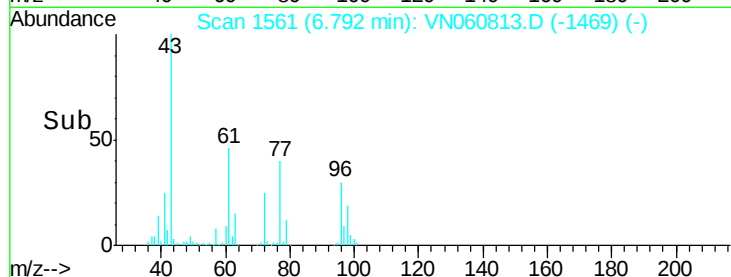
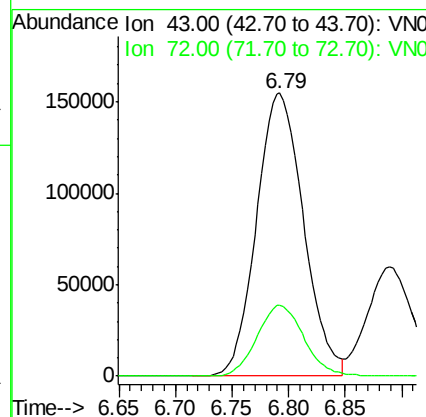
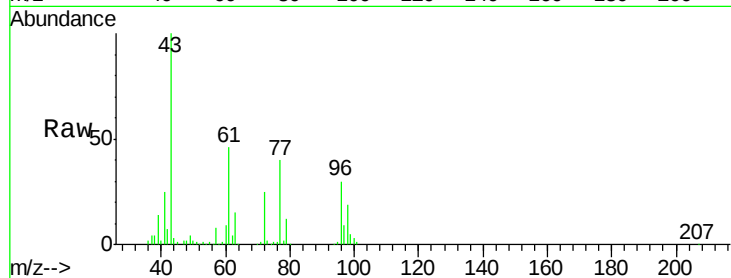
#25
2-Butanone
Concen: 283.750 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	446375
Ion Ratio	100	Lower	Upper
72	25.2	20.4	30.6

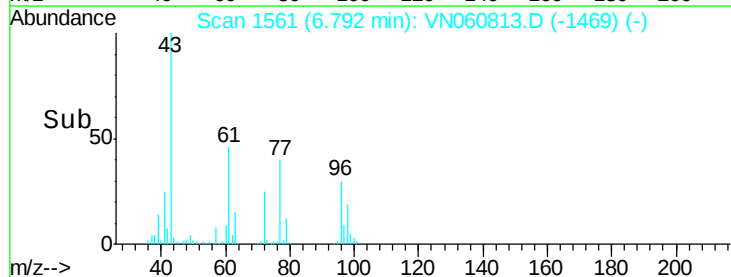
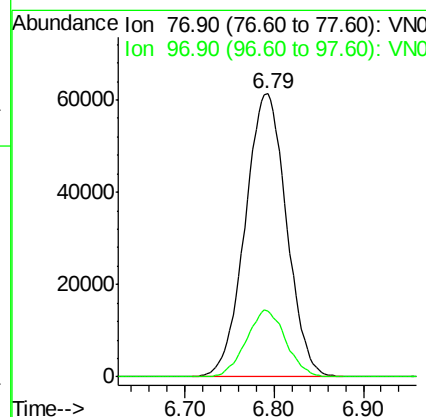
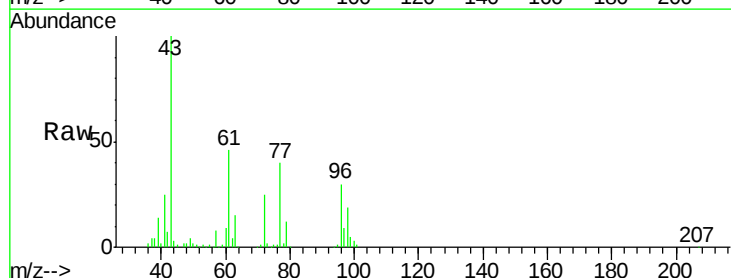
Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#26
2,2-Dichloropropane
Concen: 57.261 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	77	Resp	197537
Ion Ratio	100	Lower	Upper
97	22.5	11.4	34.1





#27

cis-1,2-Dichloroethene

Concen: 51.779 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

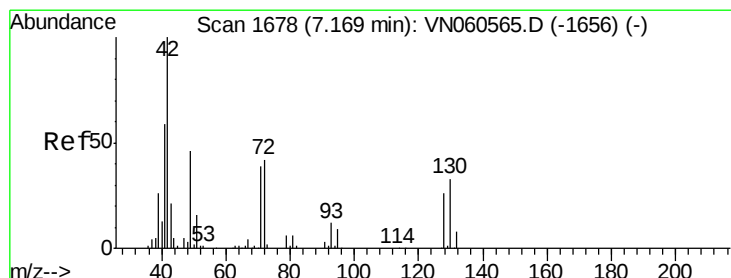
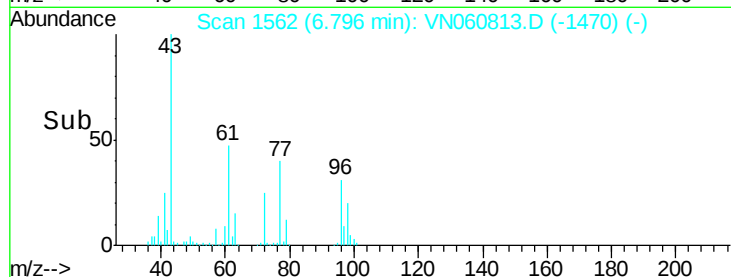
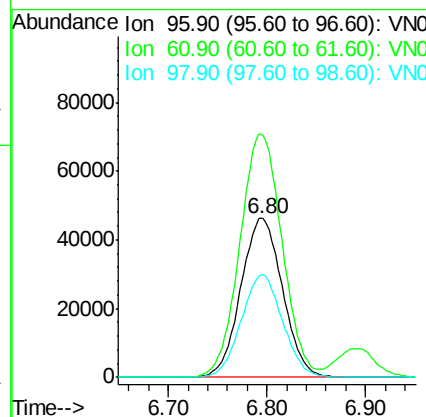
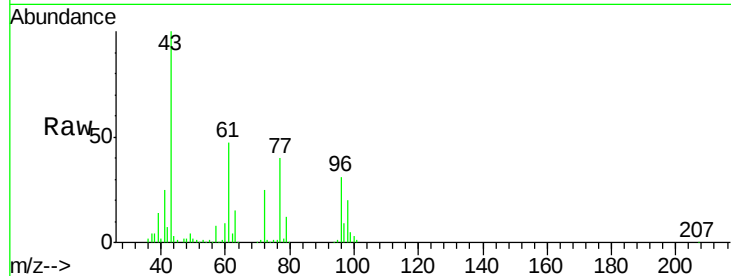
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	135743
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	305.6
98	63.9	0.0	127.6

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#28

Bromochloromethane

Concen: 49.216 ug/l

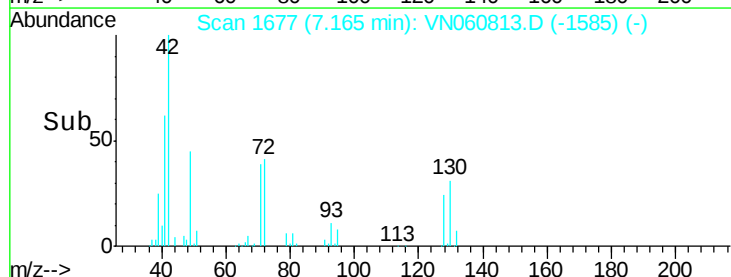
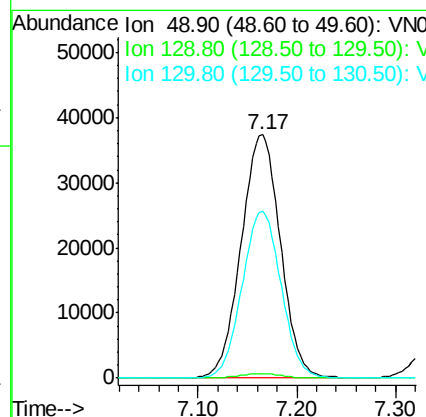
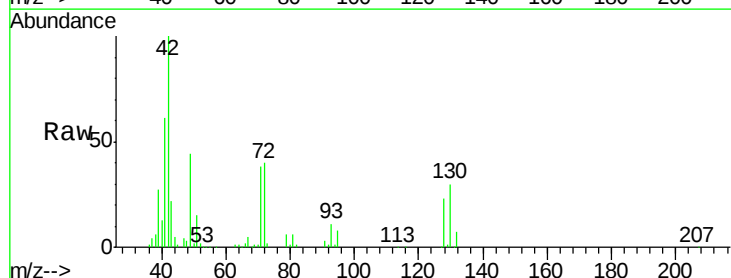
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion:	49	Resp:	103246
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	67.8	55.0	82.4





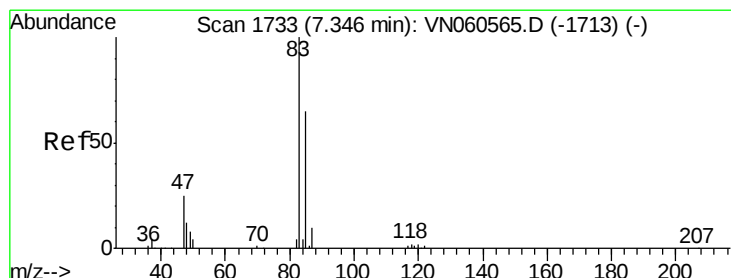
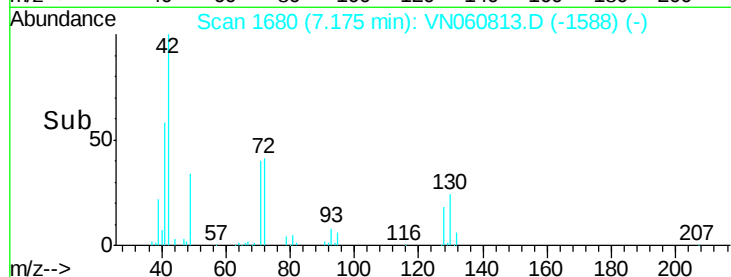
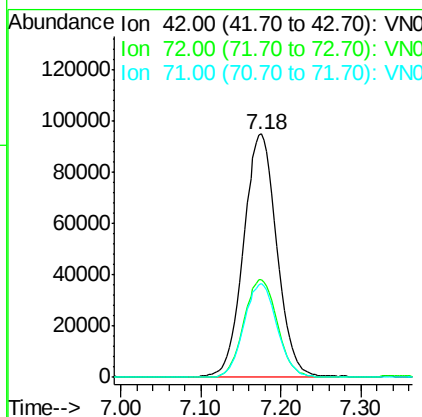
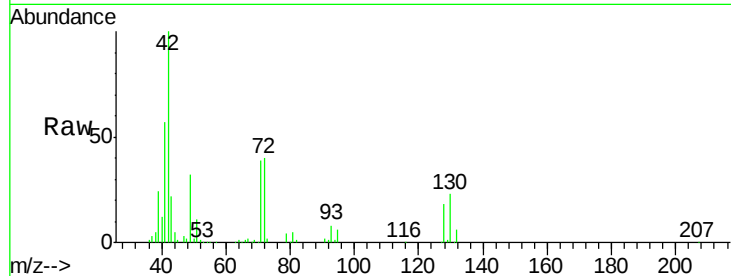
#29
Tetrahydrofuran
Concen: 241.591 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.2	49.8
71	38.3	31.1	46.7

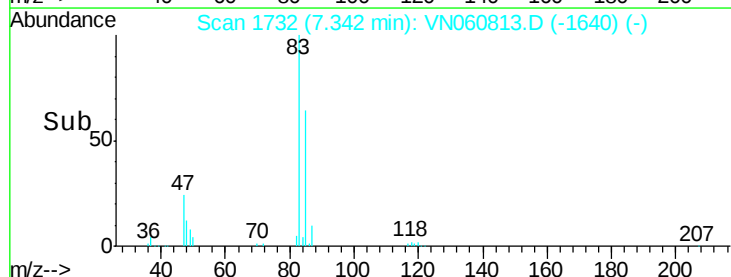
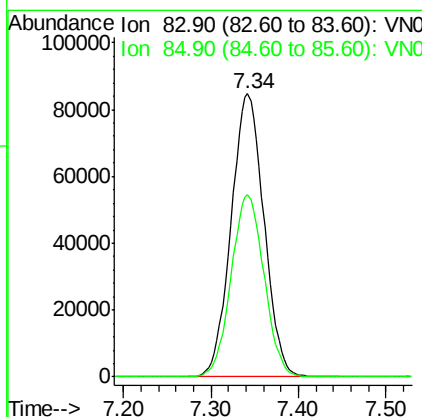
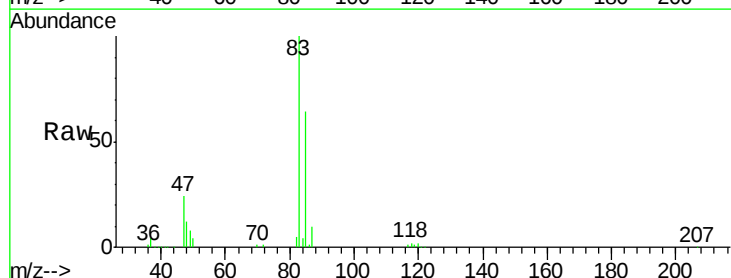
Manual Integrations
APPROVED

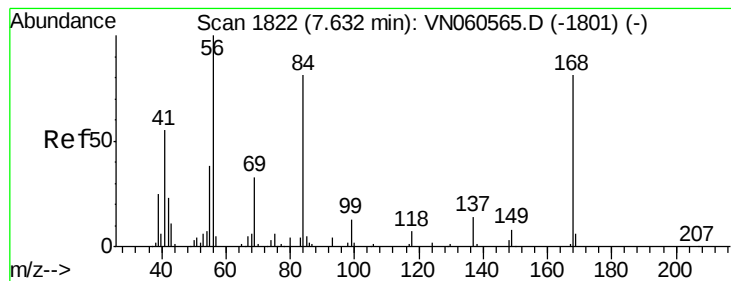
MMDadoda
4/3/2020 12:06:16 PM



#30
Chloroform
Concen: 52.466 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





#31

Cyclohexane

Concen: 48.219 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

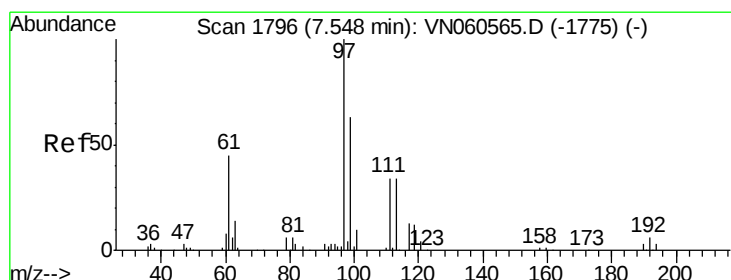
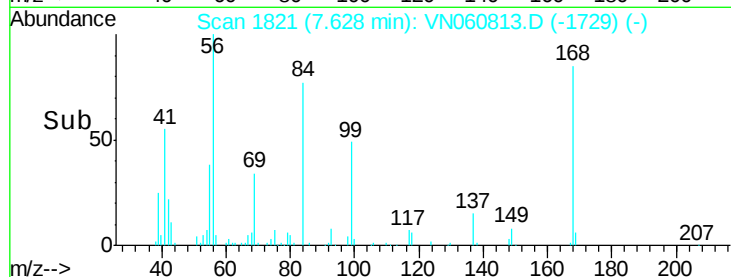
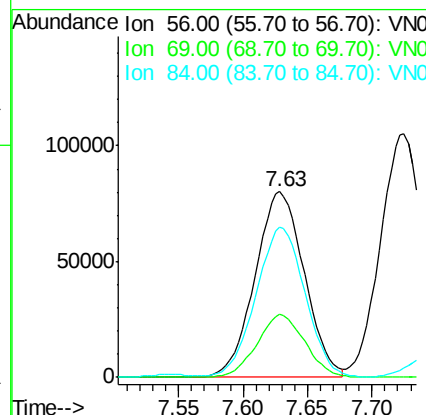
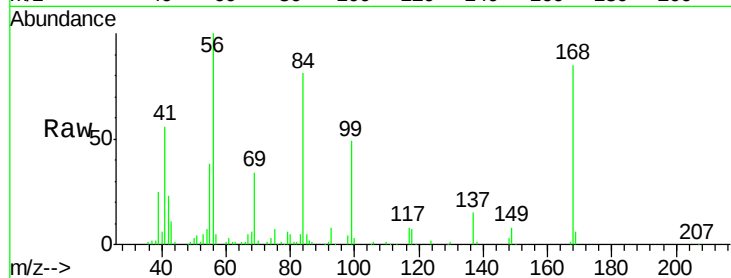
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	213144
Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.6	40.0
84	80.2	64.3	96.5

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#32

1,1,1-Trichloroethane

Concen: 51.821 ug/l

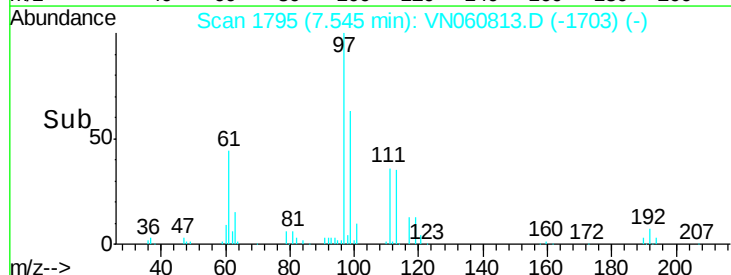
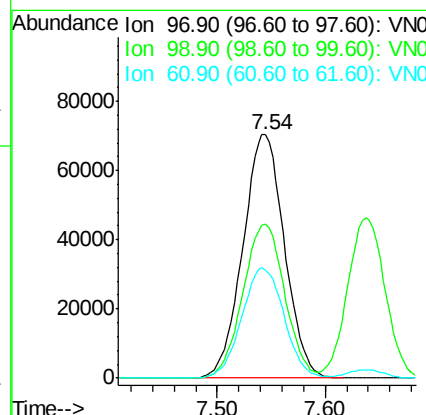
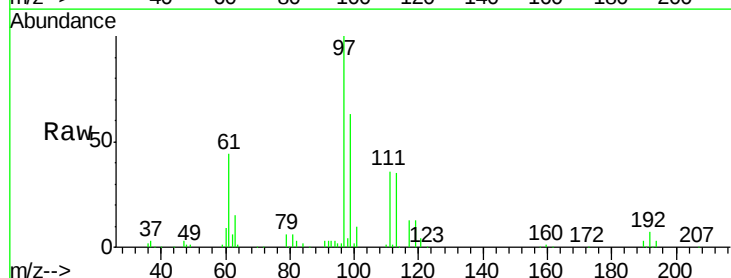
RT: 7.54 min Scan# 1795

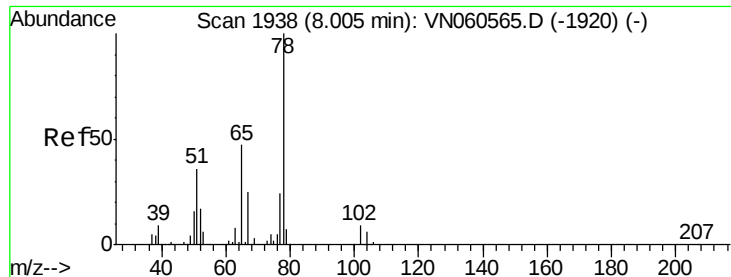
Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion:	97	Resp:	187779
Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	75.8
61	46.0	36.2	54.4





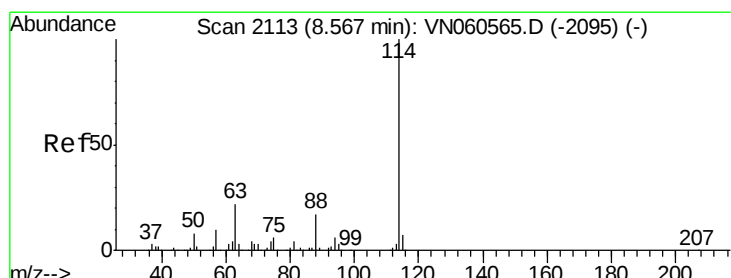
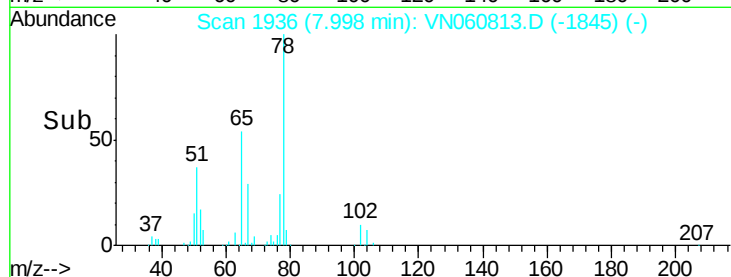
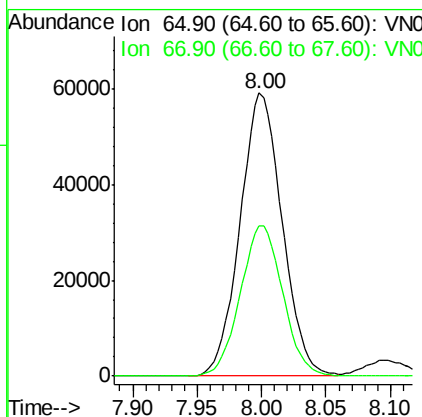
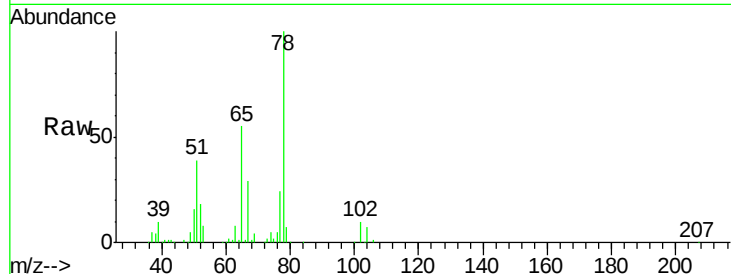
#33
 1,2-Dichloroethane-d4
 Concen: 48.966 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134388		
67	53.6	0.0	107.6	

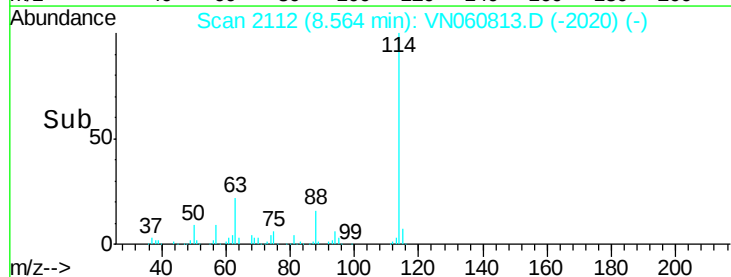
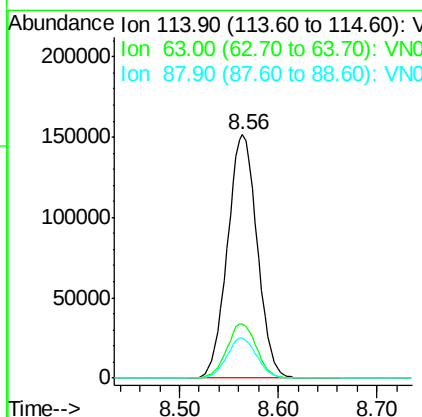
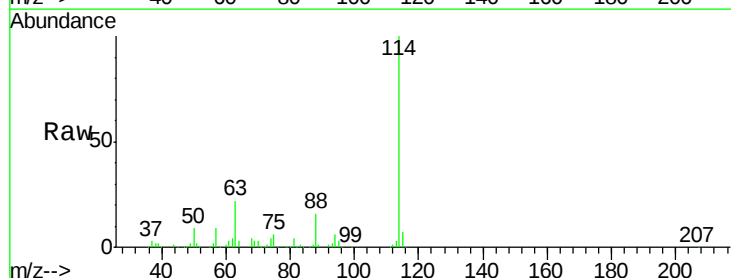
Manual Integrations
 APPROVED

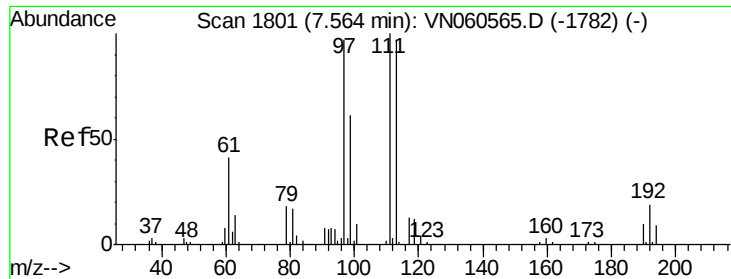
MMDadoda
 4/3/2020 12:06:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318930		
63	22.5	0.0	43.8	
88	16.4	0.0	33.0	





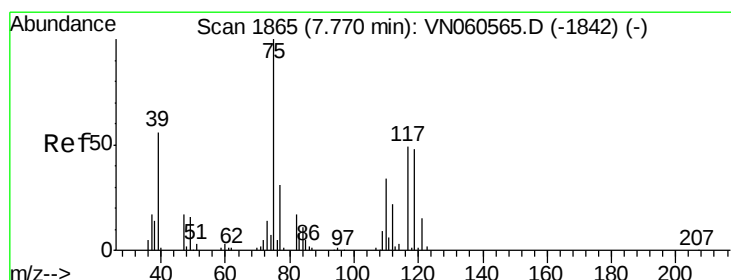
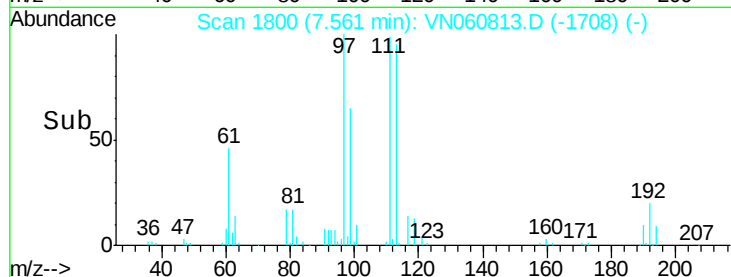
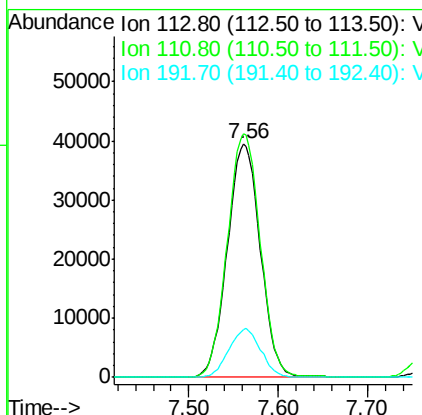
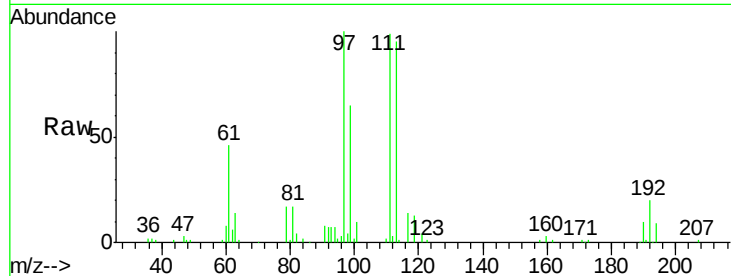
#35
 Dibromofluoromethane
 Concen: 52.620 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101477		
111	104.0	82.9	124.3	
192	20.0	15.8	23.8	

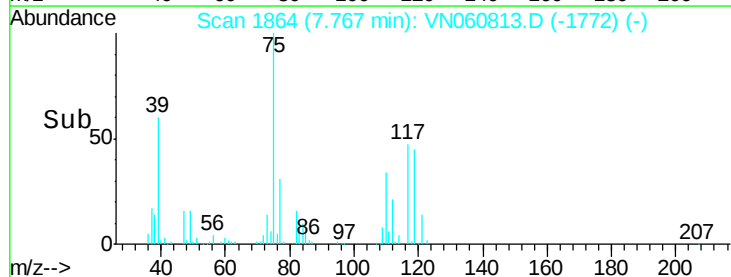
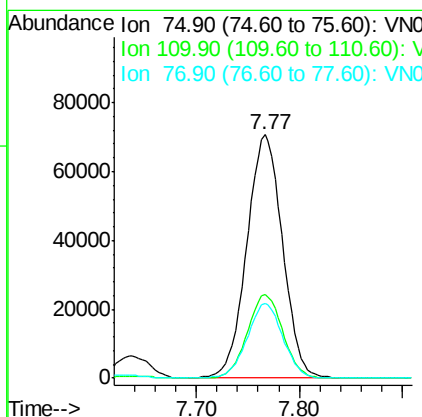
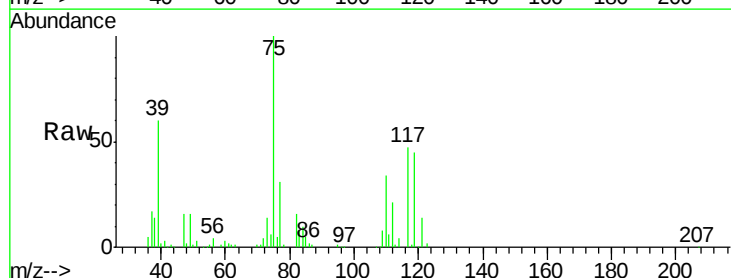
Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:06:16 PM



#36
 1,1-Dichloropropene
 Concen: 55.128 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170248		
110	33.9	16.9	50.6	
77	30.6	24.6	36.8	





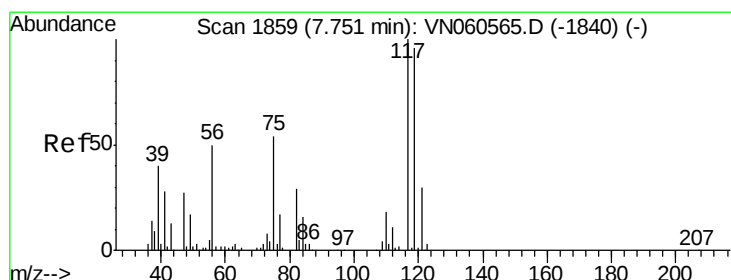
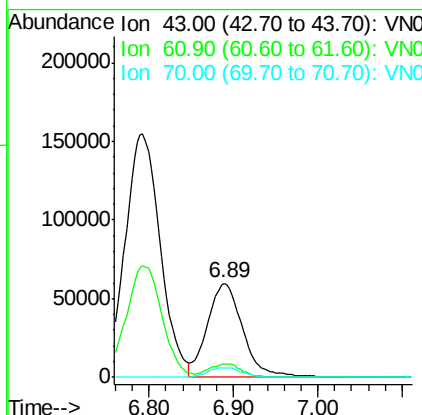
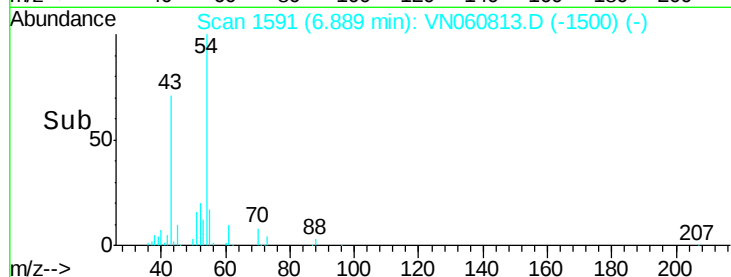
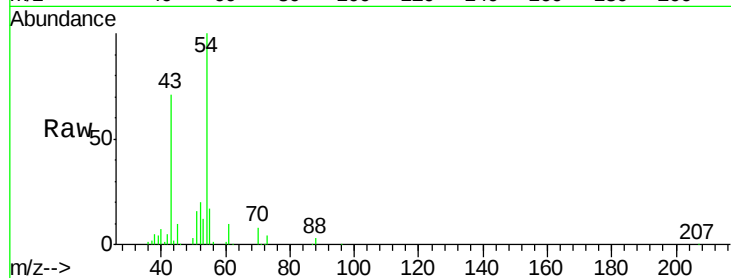
#37
Ethyl Acetate
Concen: 51.680 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	10.2	7.9	11.9

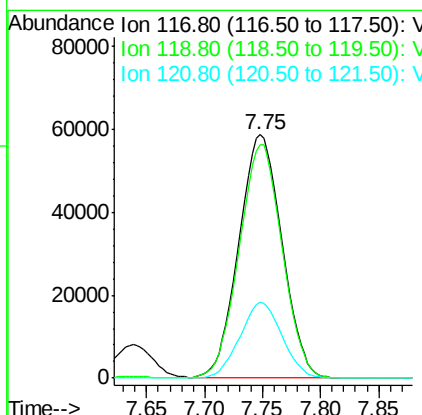
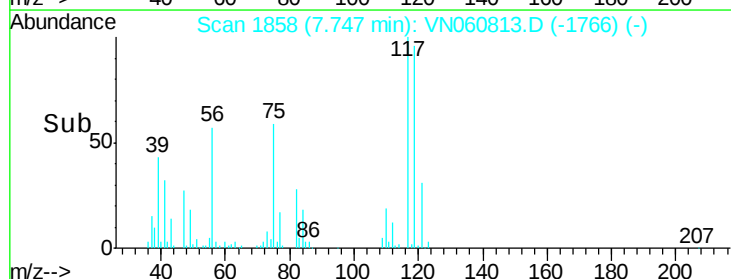
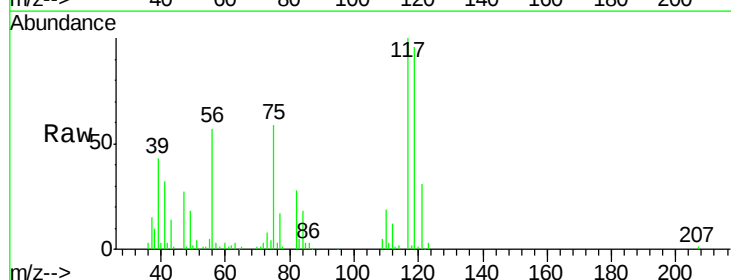
Manual Integrations
APPROVED

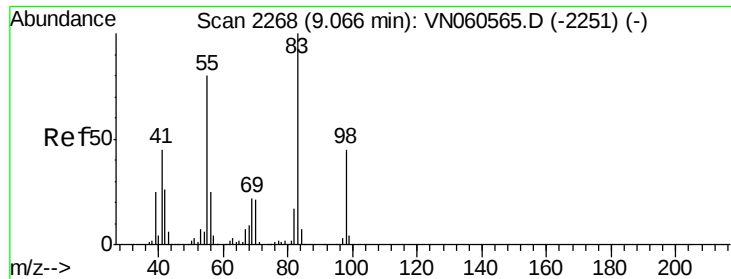
MMDadoda
4/3/2020 12:06:16 PM



#38
Carbon Tetrachloride
Concen: 54.963 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	31.1	23.7	35.5





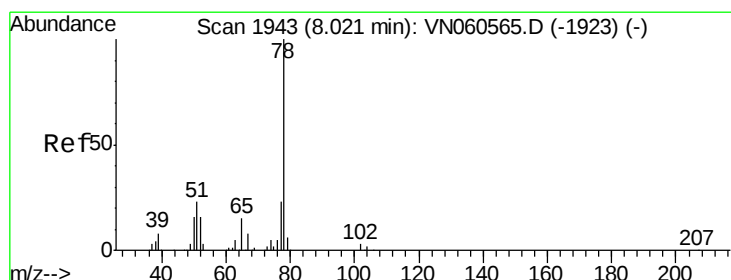
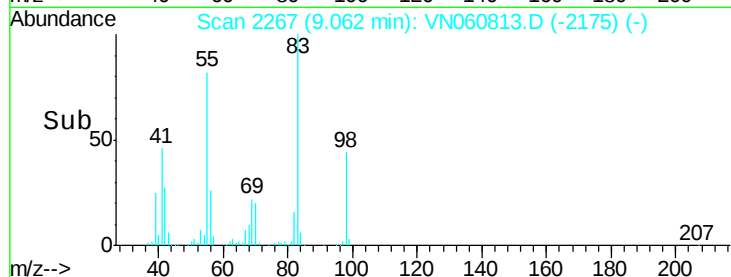
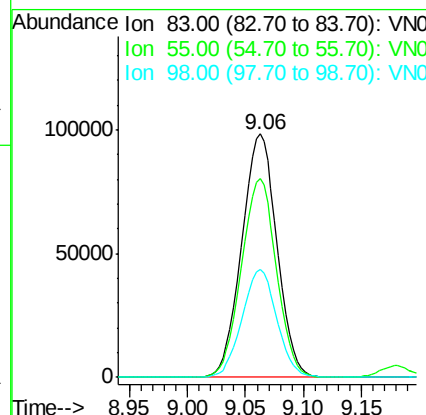
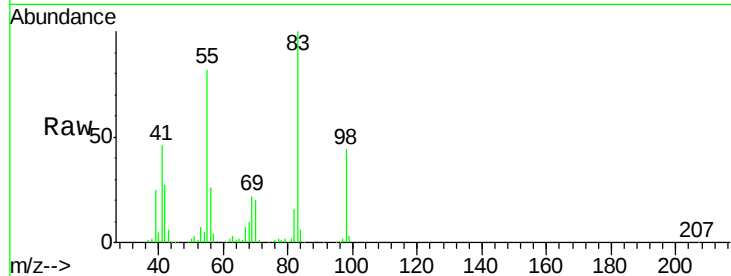
#39
Methvlcvclohexane
Concen: 56.366 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	206863		
55	81.9	63.6	95.4	
98	44.4	36.0	54.0	

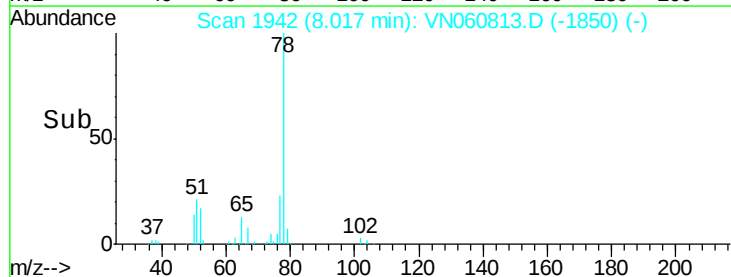
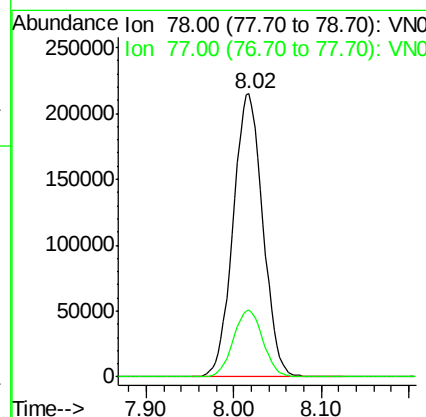
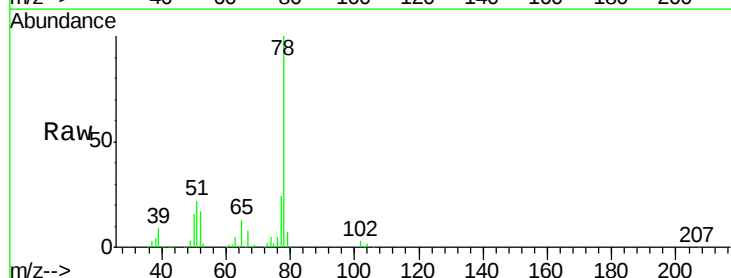
Manual Integrations
APPROVED

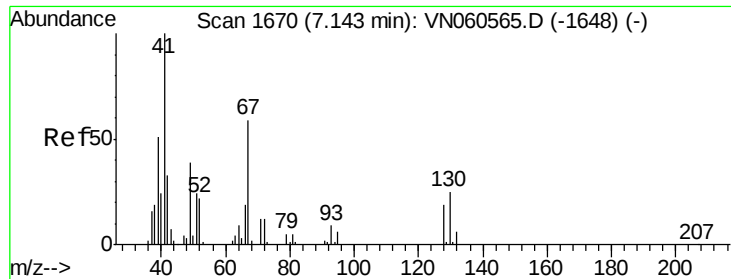
MMDadoda
4/3/2020 12:06:16 PM



#40
Benzene
Concen: 54.231 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	505576		
77	23.6	18.6	28.0	





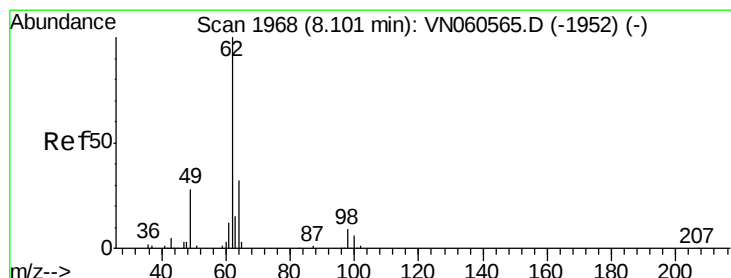
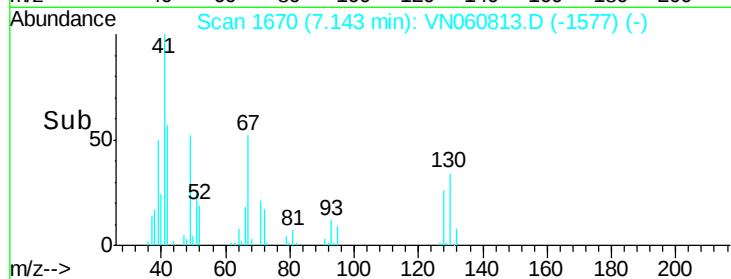
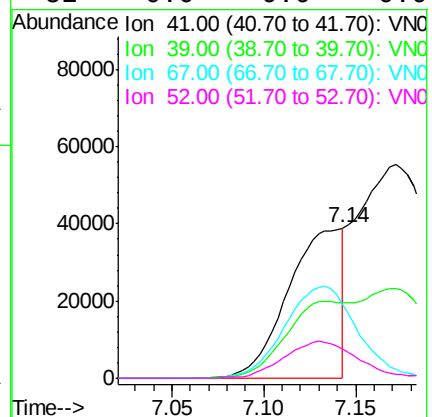
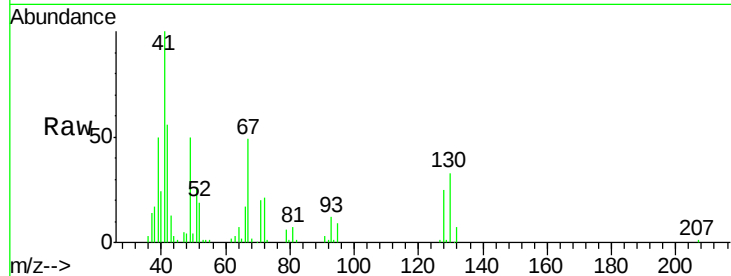
#41
Methacrylonitrile
Concen: 56.532 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	80507
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

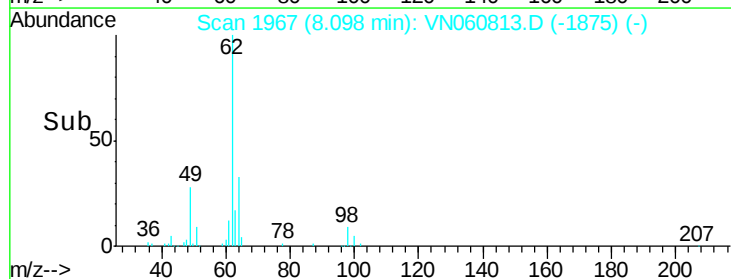
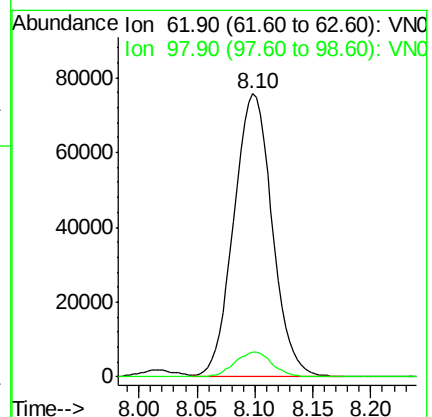
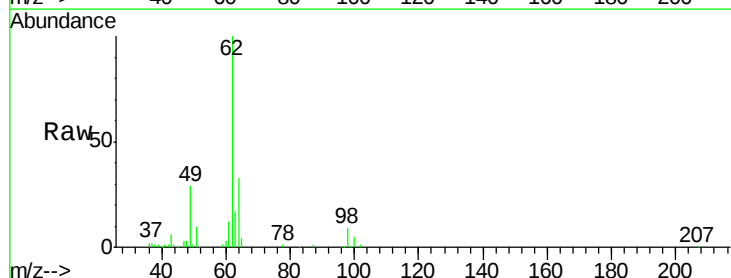
Manual Integrations
APPROVED

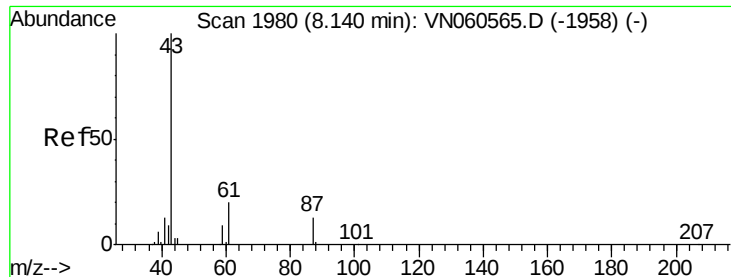
MMDadoda
4/3/2020 12:06:16 PM



#42
1,2-Dichloroethane
Concen: 54.472 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	62	Resp	173549
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 53.550 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

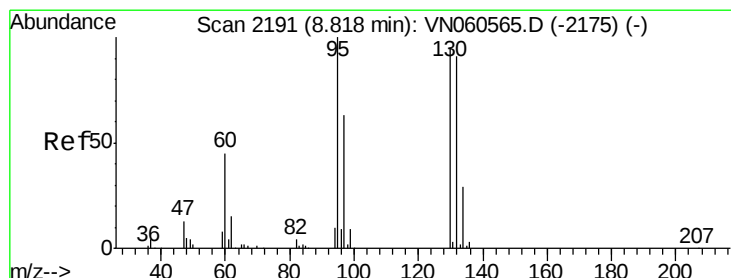
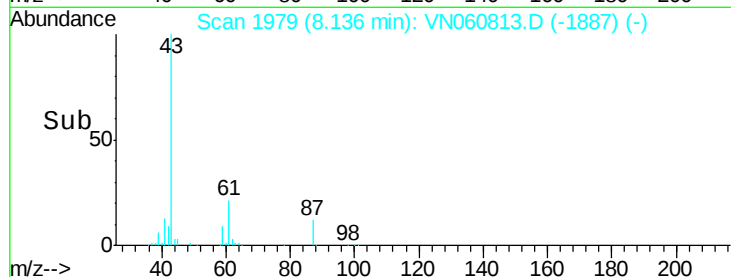
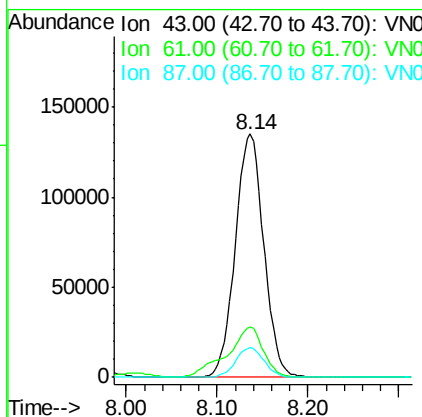
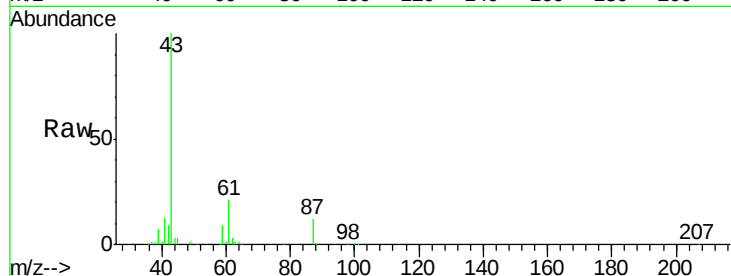
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	294697
Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.7	31.1
87	12.1	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#44

Trichloroethene

Concen: 54.712 ug/l

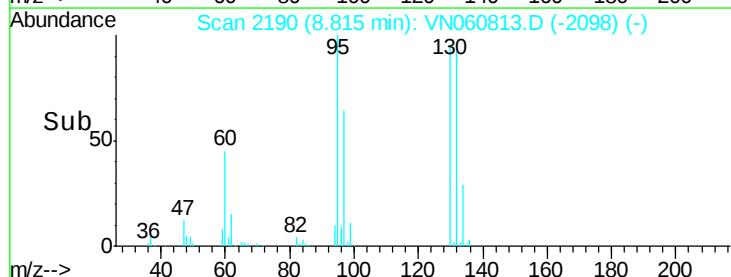
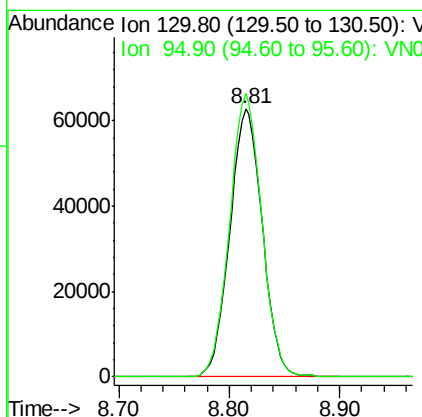
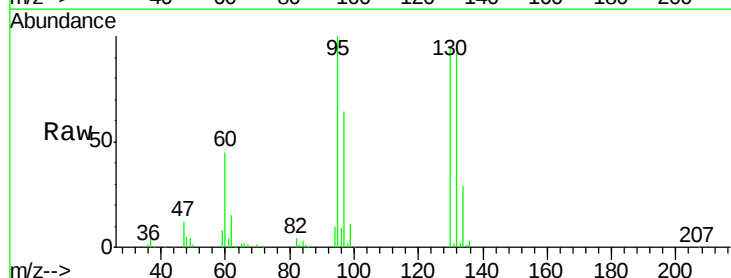
RT: 8.81 min Scan# 2190

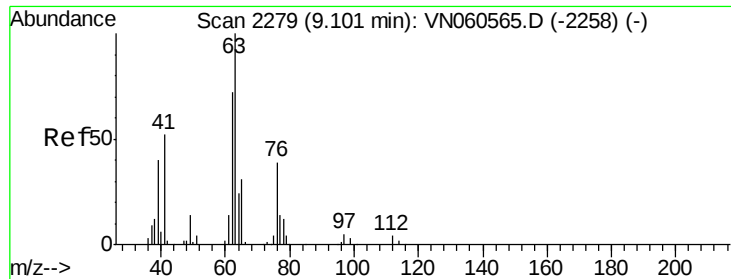
Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion:	130	Resp:	128581
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	211.2





#45

1,2-Dichloropropane

Concen: 56.293 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 138476

Ion Ratio Lower Upper

63 100

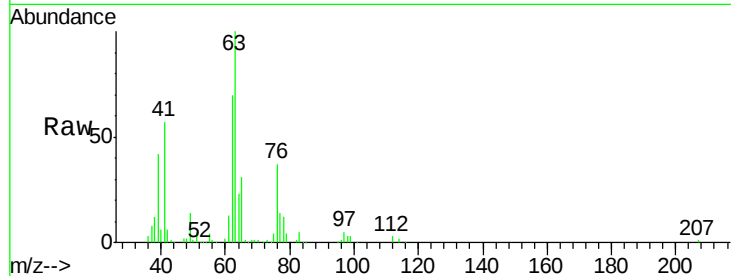
65 30.8 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:06:16 PM



Abundance Ion 62.90 (62.60 to 63.60): VN060813.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060813.D (-2186) (-)

9.10

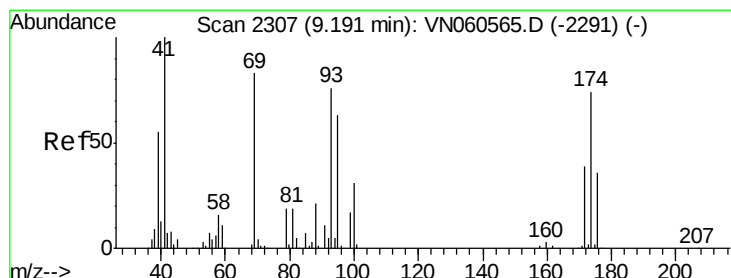
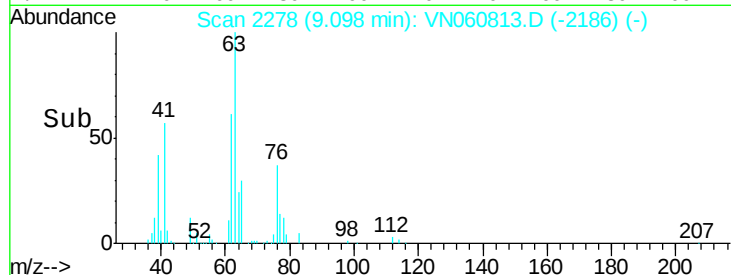
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 55.171 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

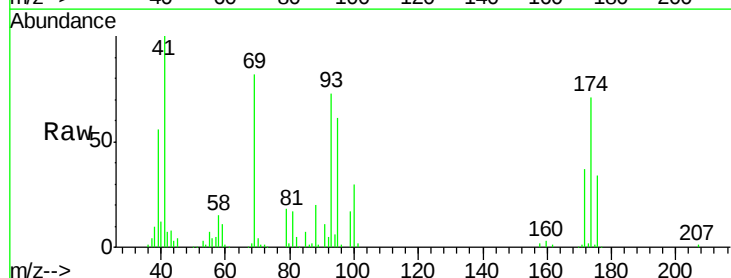
Tgt Ion: 93 Resp: 82049

Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

174 98.3 77.9 116.9



Abundance Ion 92.80 (92.50 to 93.50): VN060813.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060813.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060813.D (-2214) (-)

9.19

50000

40000

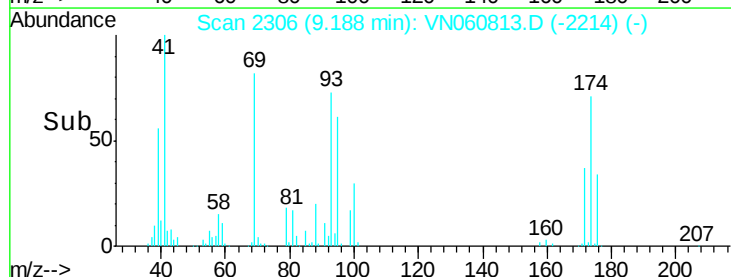
30000

20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 56.042 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

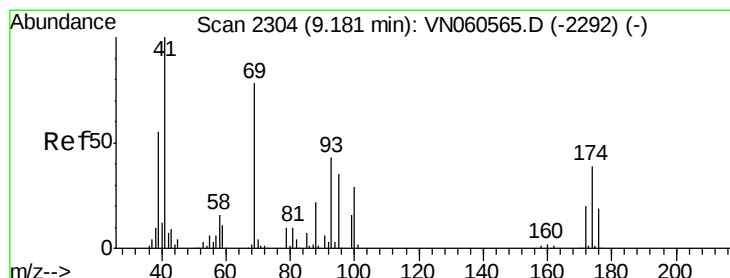
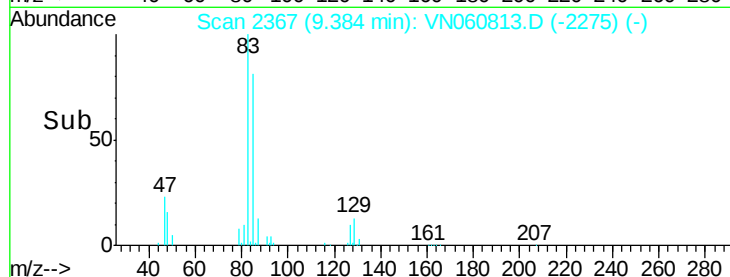
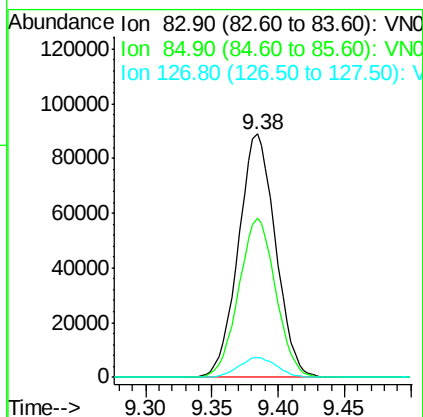
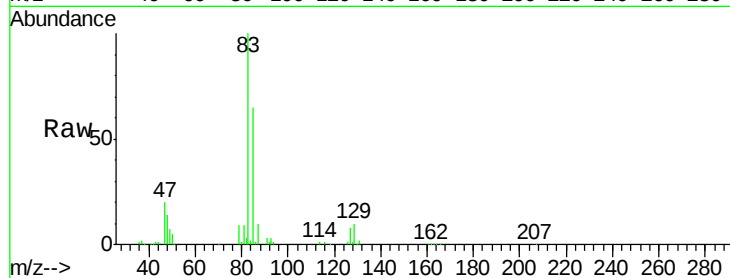
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	173189
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6
127	8.2	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#48

Methyl methacrylate

Concen: 53.378 ug/l

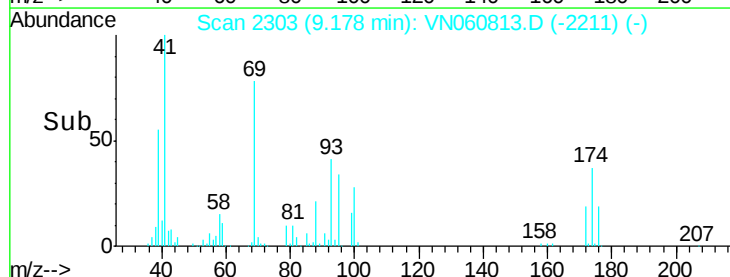
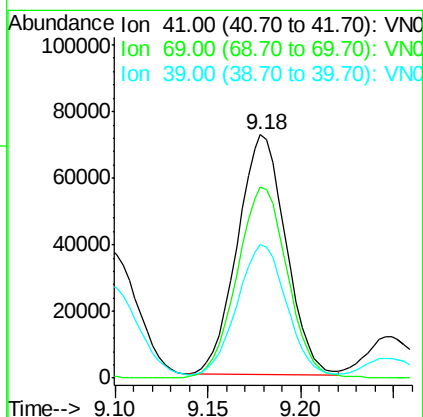
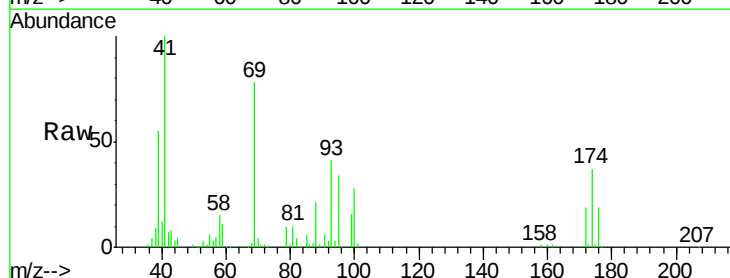
RT: 9.18 min Scan# 2303

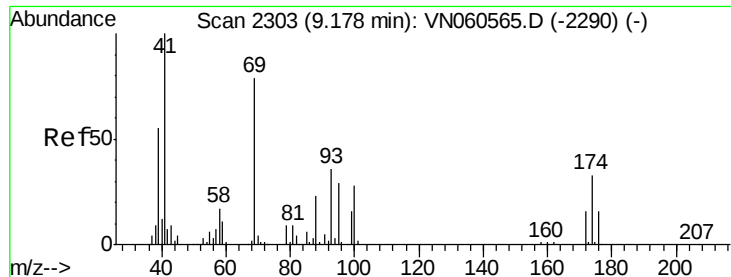
Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion:	41	Resp:	130786
Ion	Ratio	Lower	Upper
41	100		
69	82.7	65.4	98.0
39	54.9	44.0	66.0





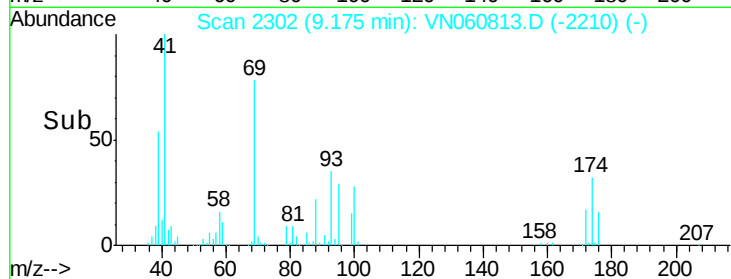
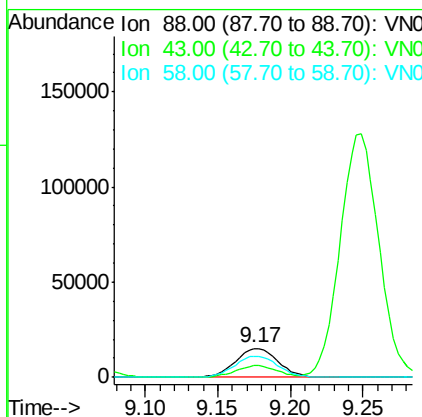
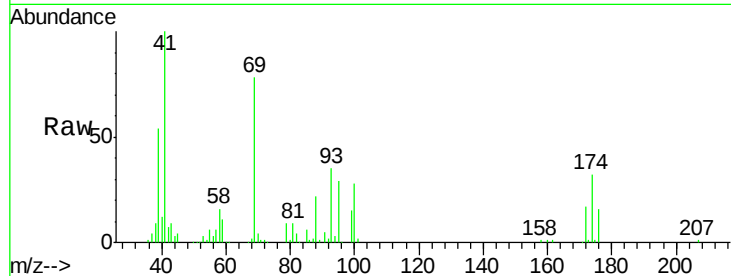
#49
1,4-Dioxane
Concen: 1063.927 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	30.8	46.2
58	75.1	59.8	89.8

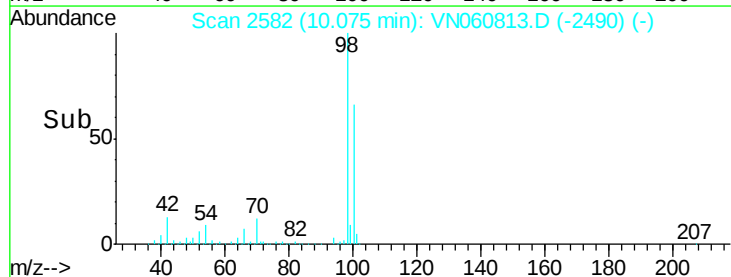
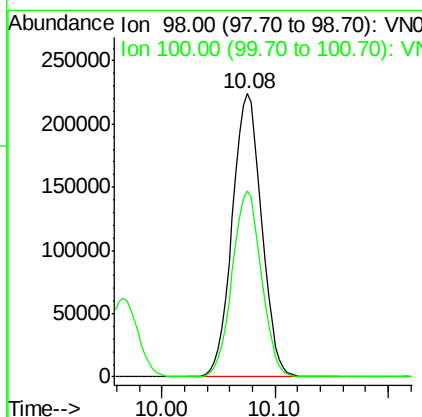
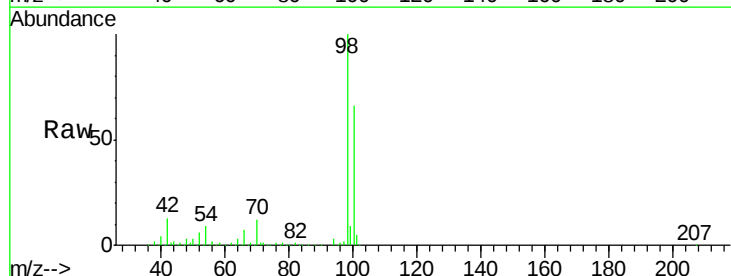
Manual Integrations
APPROVED

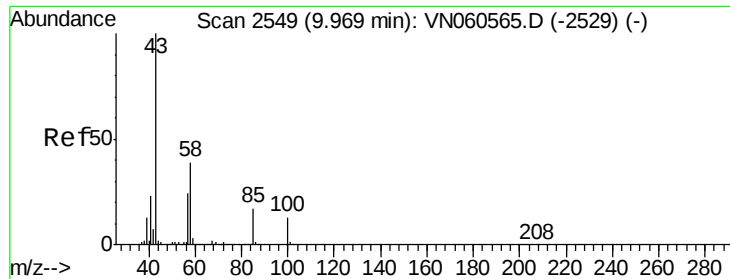
MMDadoda
4/3/2020 12:06:16 PM



#50
Toluene-d8
Concen: 51.300 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 270.412 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 846811

Ion Ratio Lower Upper

43 100

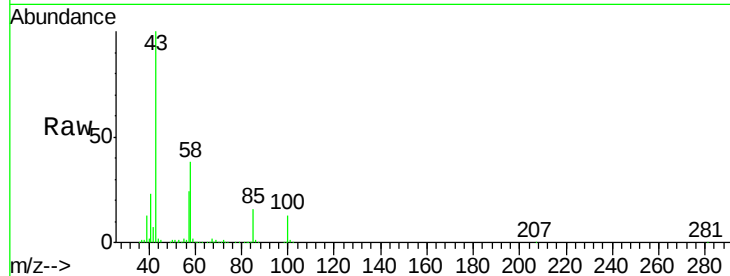
58 38.4 30.8 46.2

Manual Integrations

APPROVED

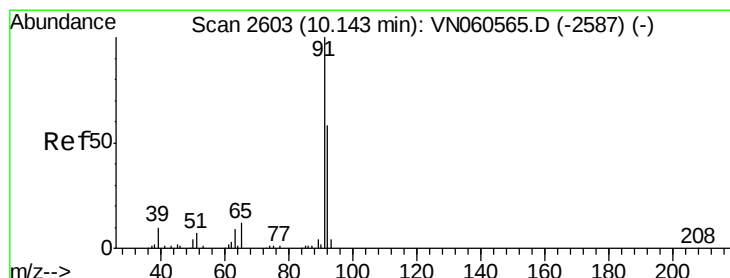
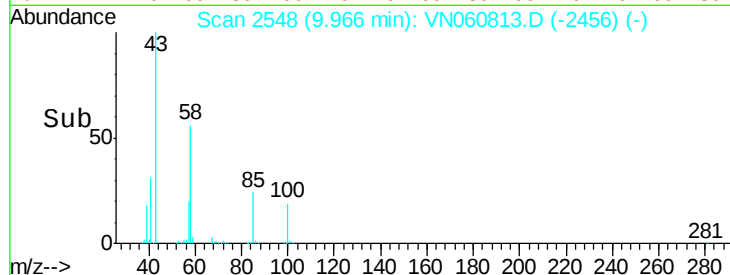
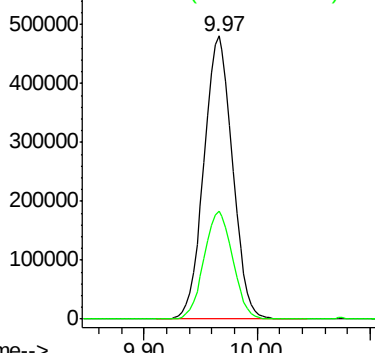
MMDadoda

4/3/2020 12:06:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.637 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060813.D

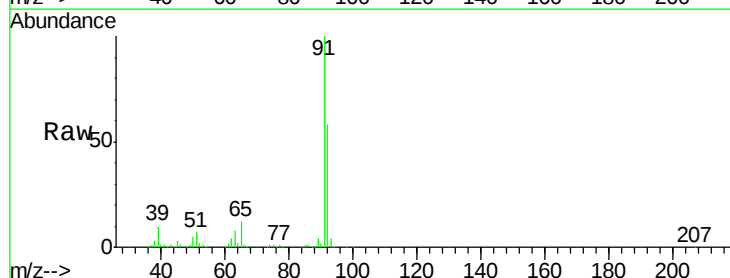
Acq: 2 Apr 2020 10:33

Tgt Ion: 92 Resp: 307619

Ion Ratio Lower Upper

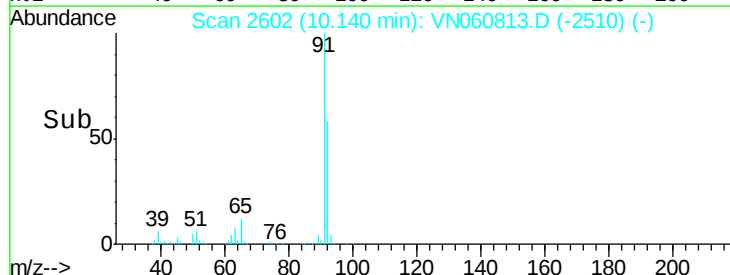
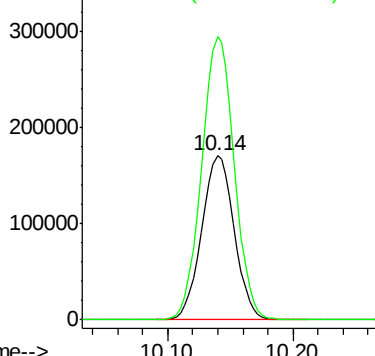
92 100

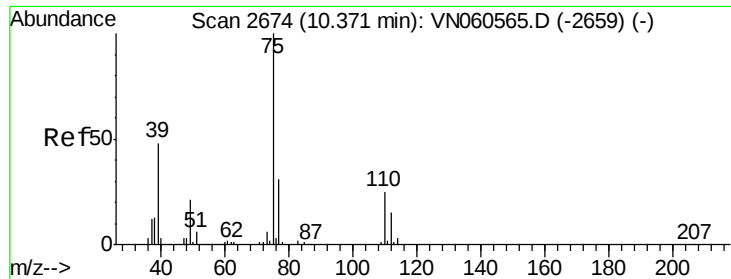
91 172.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





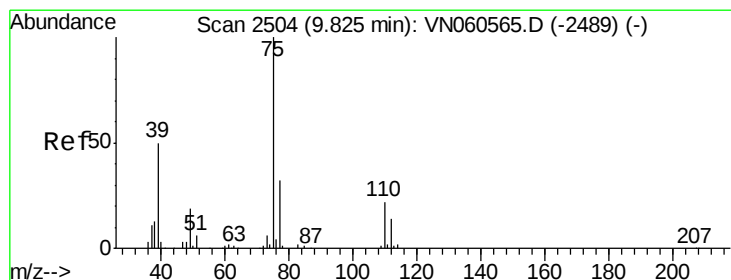
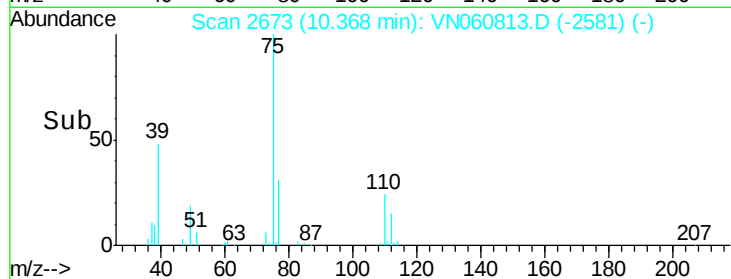
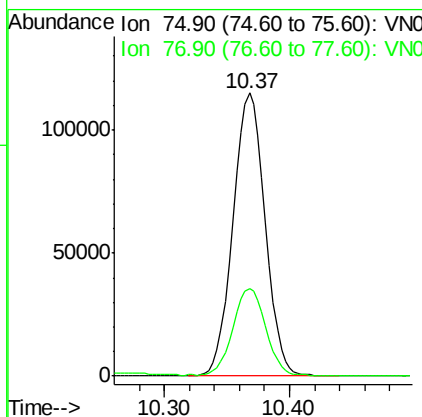
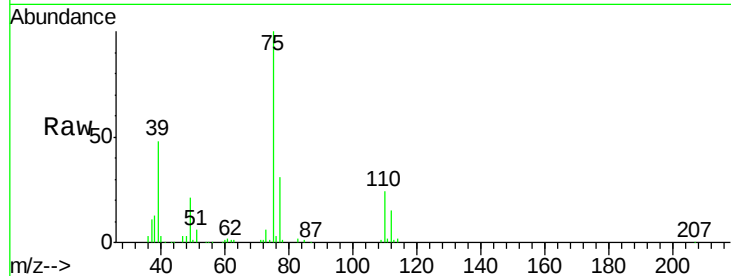
#53
t-1,3-Dichloropropene
Concen: 57.606 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 204493
Ion Ratio Lower Upper
75 100
77 30.8 25.1 37.7

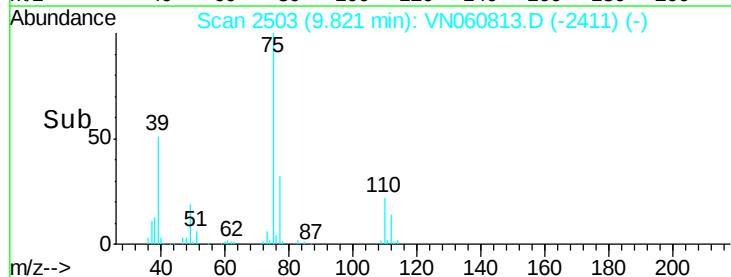
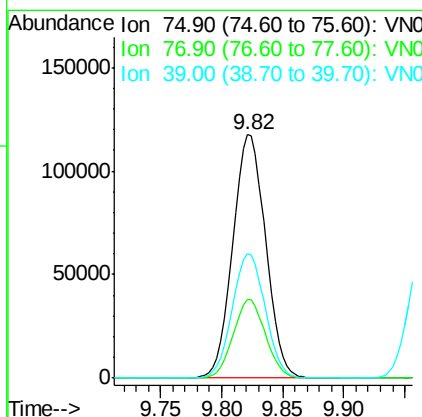
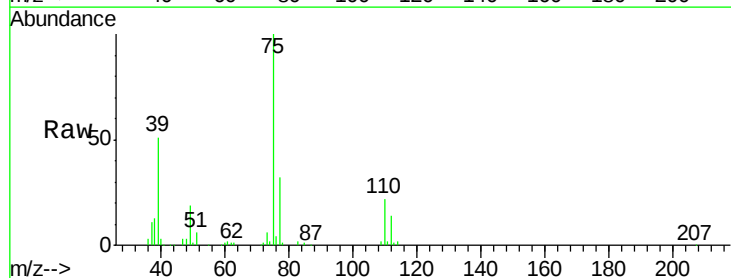
Manual Integrations
APPROVED

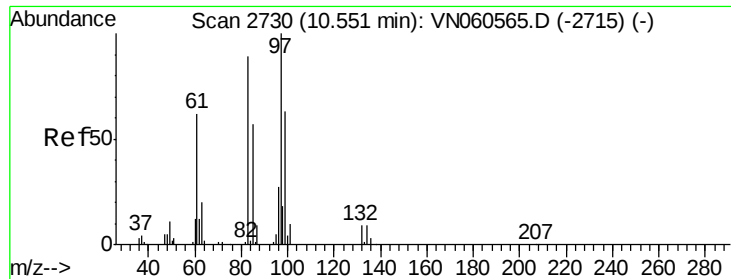
MMDadoda
4/3/2020 12:06:16 PM



#54
cis-1,3-Dichloropropene
Concen: 56.389 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion: 75 Resp: 219600
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0
39 51.3 40.2 60.4





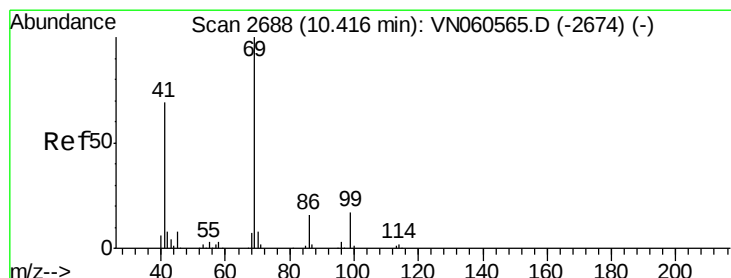
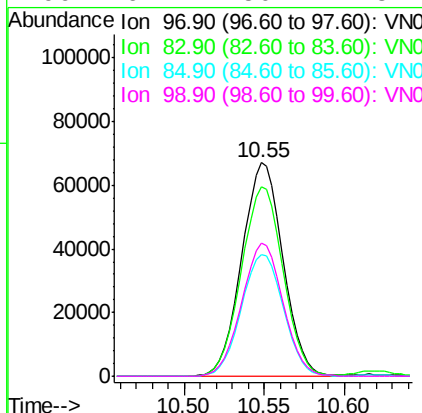
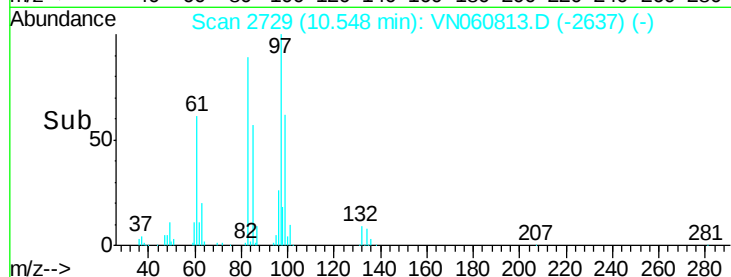
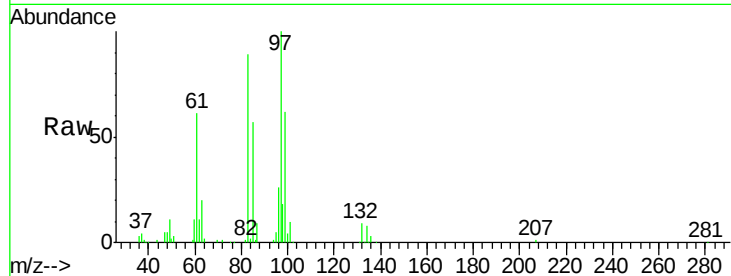
#55
 1,1,2-Trichloroethane
 Concen: 54.639 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	118350
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.3	106.9
85	57.2	45.2	67.8
99	62.1	50.1	75.1

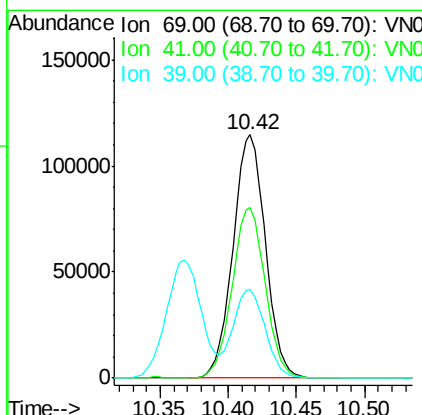
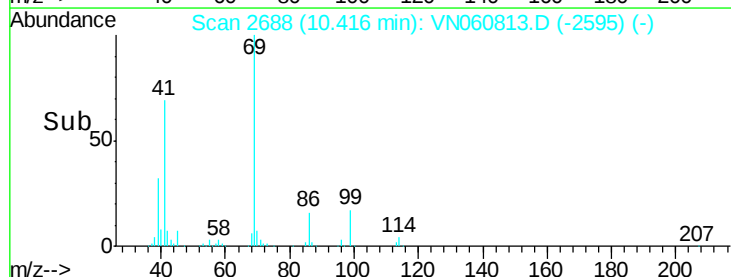
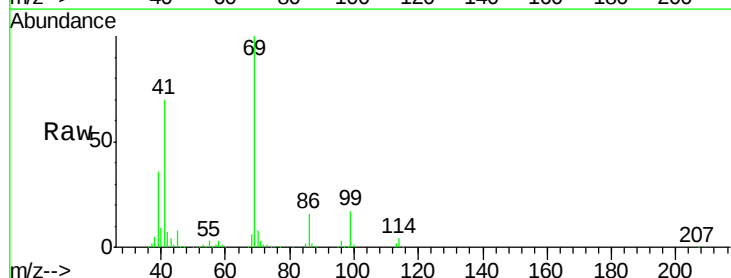
Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:06:16 PM



#56
 Ethyl methacrylate
 Concen: 56.042 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion:	69	Resp:	189274
Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.4	83.2
39	36.0	29.4	44.0





#57

1,3-Dichloropropane

Concen: 55.337 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 207998

Ion Ratio Lower Upper

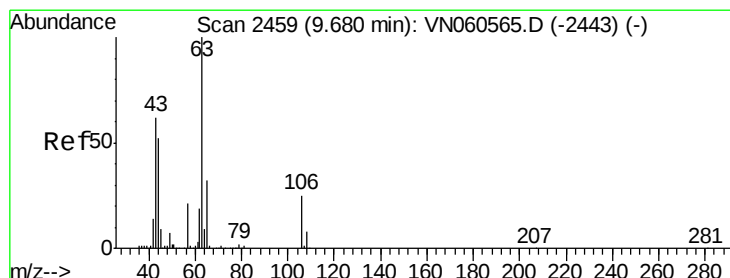
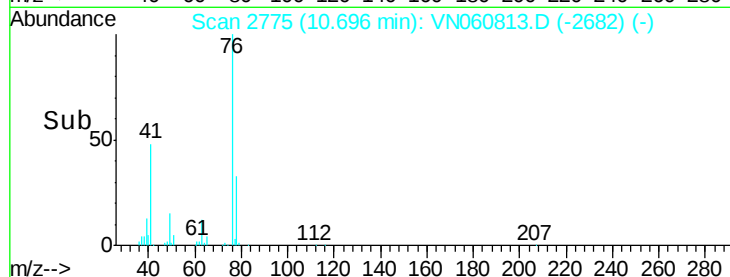
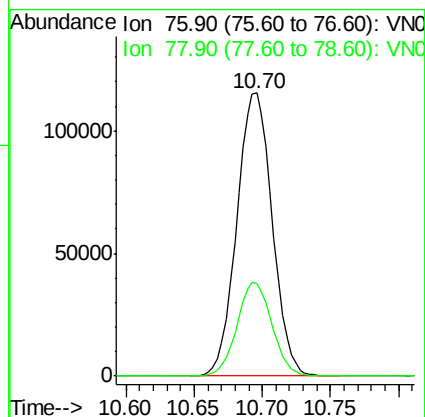
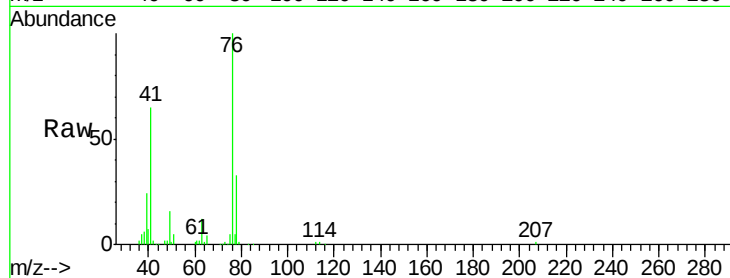
76 100

78 32.6 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

4/3/2020 12:06:16 PM



#58

2-Chloroethyl Vinyl ether

Concen: 300.837 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060813.D

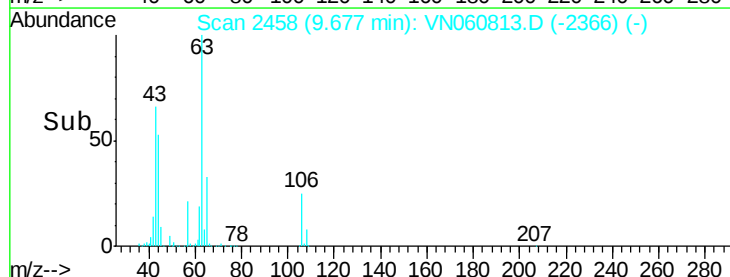
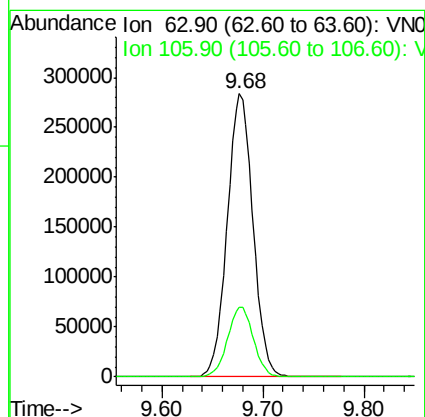
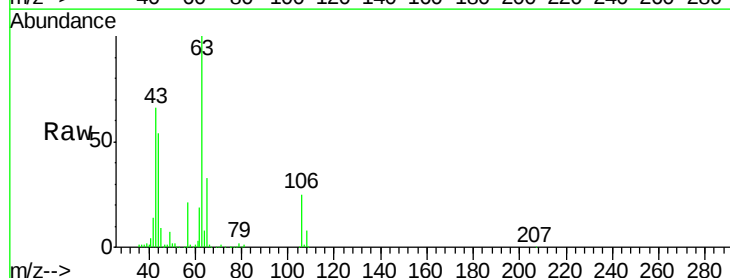
Acq: 2 Apr 2020 10:33

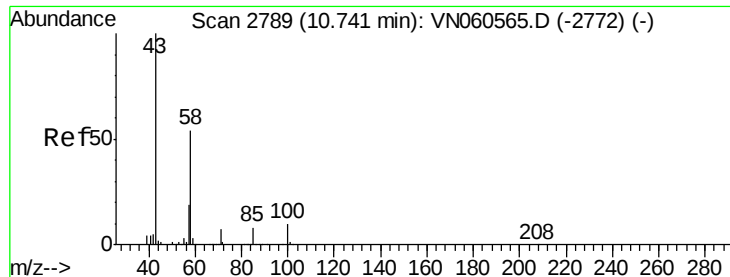
Tgt Ion: 63 Resp: 504978

Ion Ratio Lower Upper

63 100

106 24.8 20.0 30.0





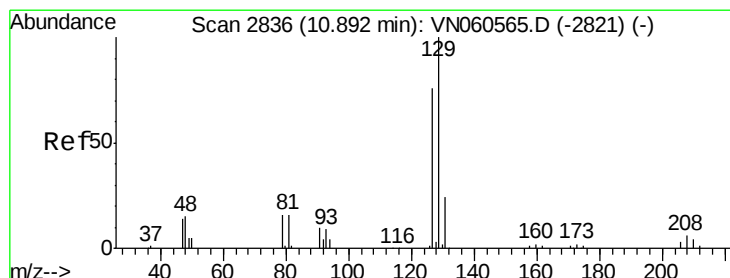
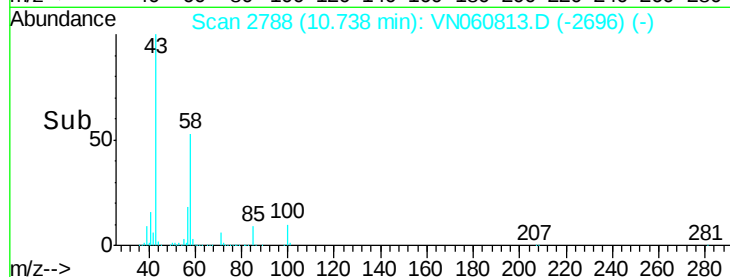
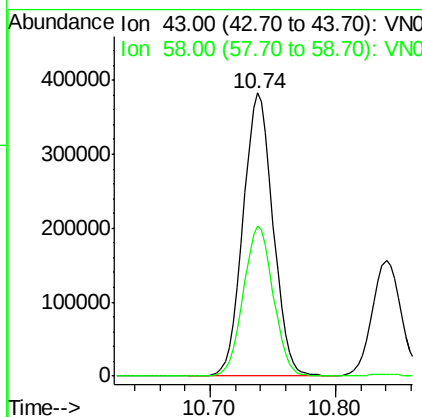
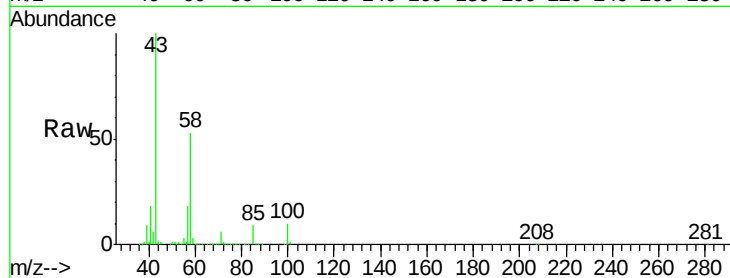
#59
2-Hexanone
Concen: 282.159 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 636502
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1

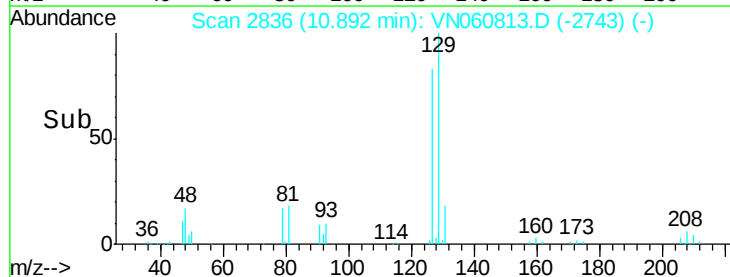
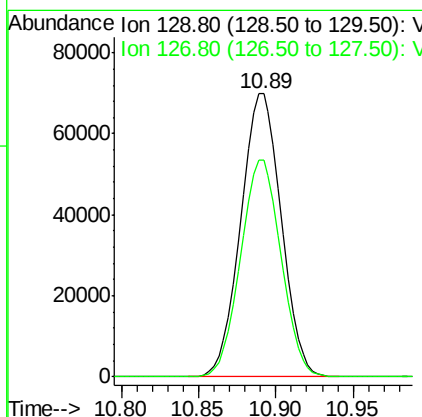
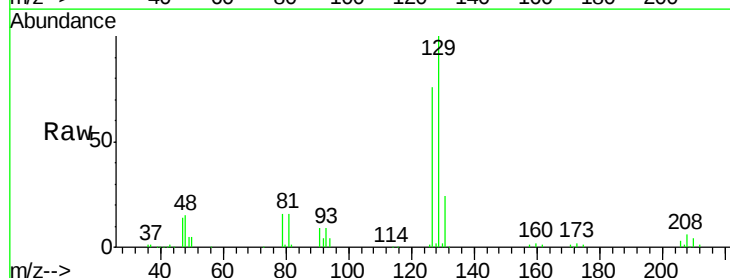
Manual Integrations
APPROVED

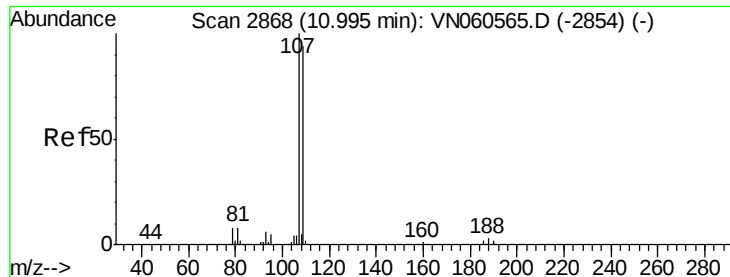
MMDadoda
4/3/2020 12:06:16 PM



#60
Dibromochloromethane
Concen: 56.976 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion: 129 Resp: 127479
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





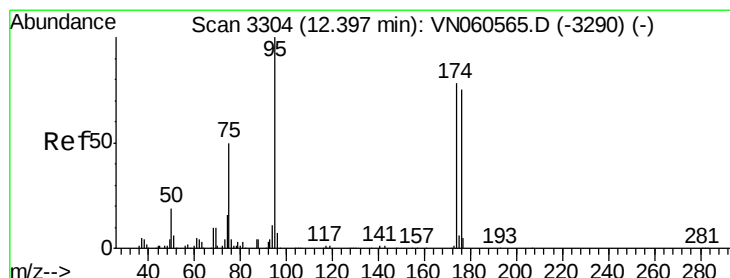
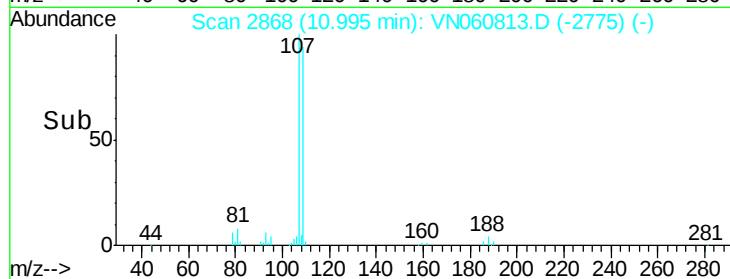
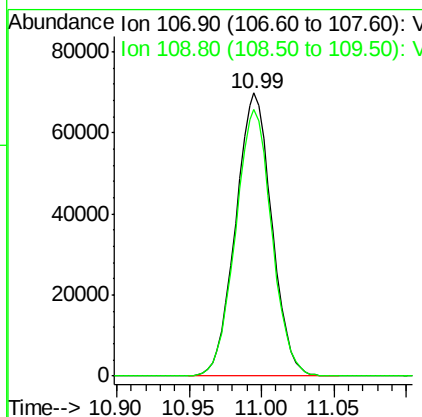
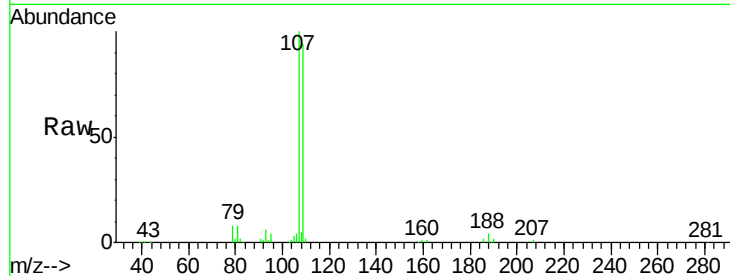
#61
 1,2-Dibromoethane
 Concen: 55.490 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

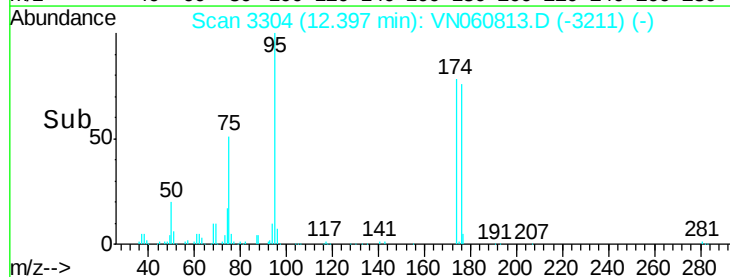
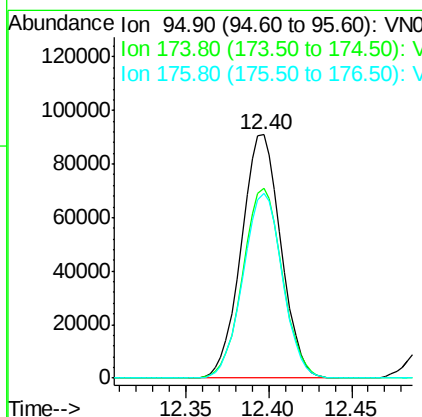
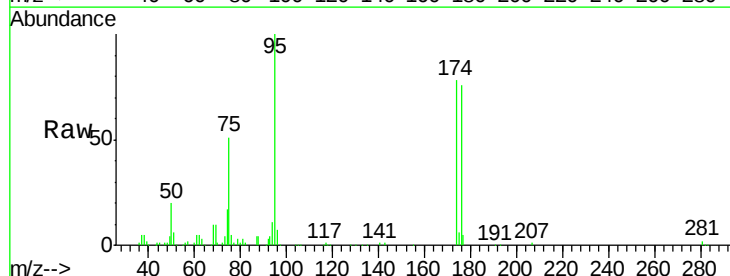
Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:06:16 PM



#62
 4-Bromofluorobenzene
 Concen: 52.168 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	157.6
176	75.6	0.0	150.6





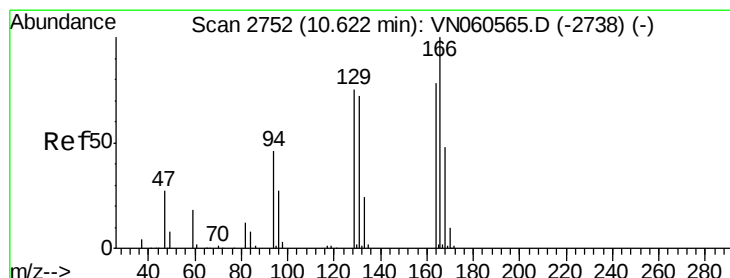
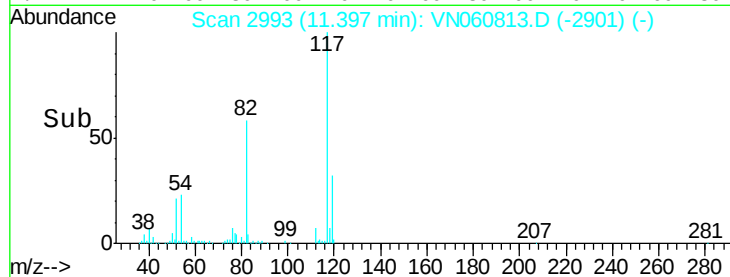
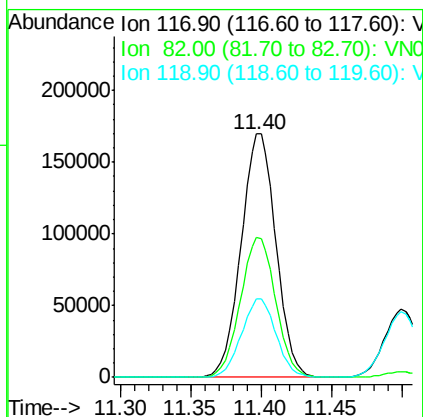
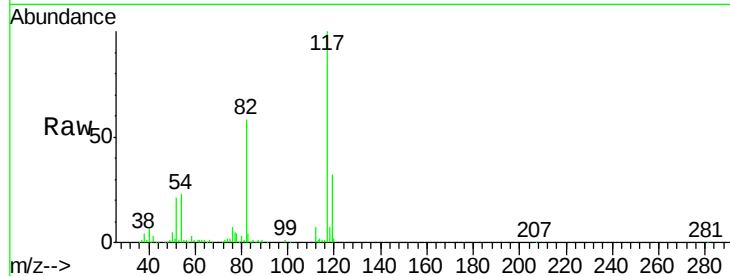
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.7	70.1
119	32.1	25.5	38.3

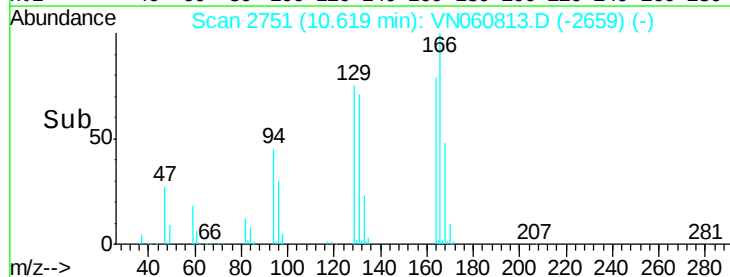
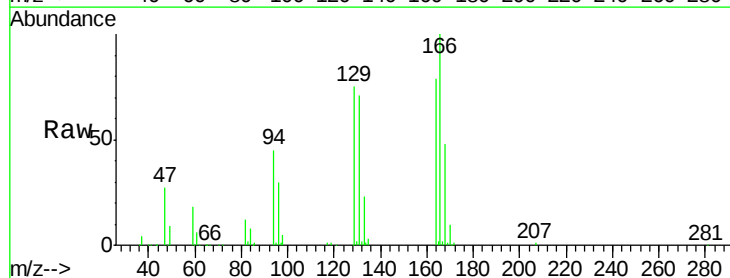
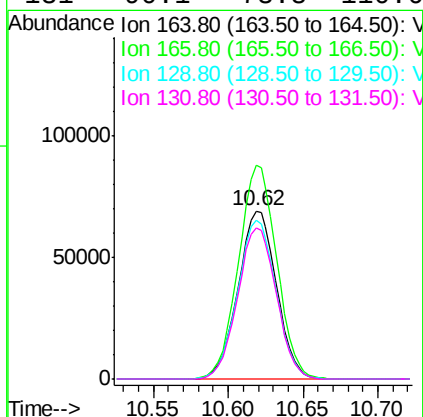
Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#64
Tetrachloroethene
Concen: 53.189 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.7	154.1
129	94.6	77.2	115.8
131	90.1	73.8	110.6





#65

Chlorobenzene

Concen: 54.546 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 318075

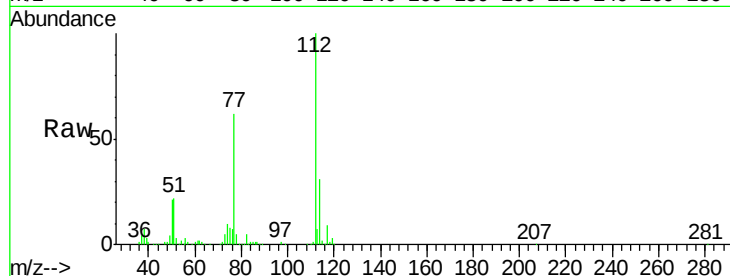
Ion Ratio Lower Upper

112 100

114 31.2 25.8 38.6

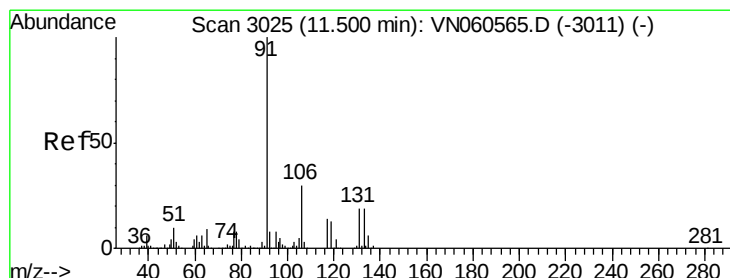
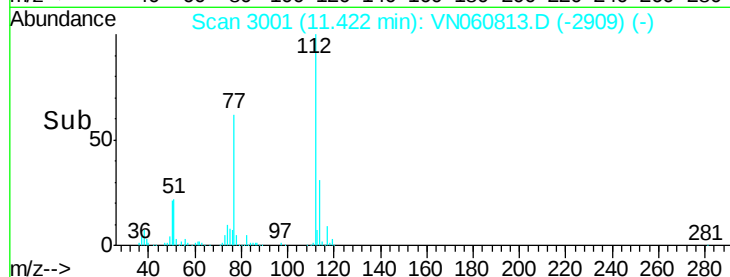
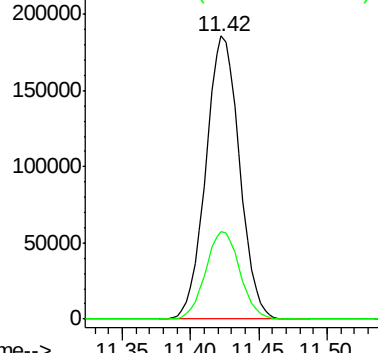
Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.710 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

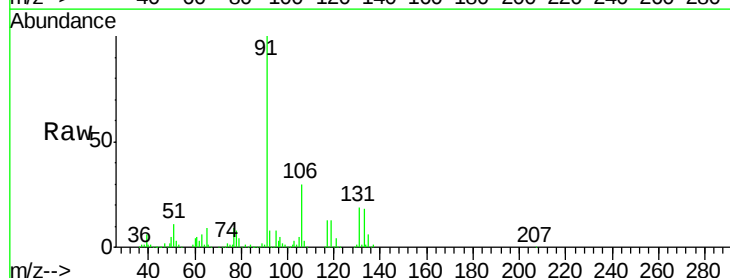
Tgt Ion:131 Resp: 117622

Ion Ratio Lower Upper

131 100

133 95.7 48.9 146.8

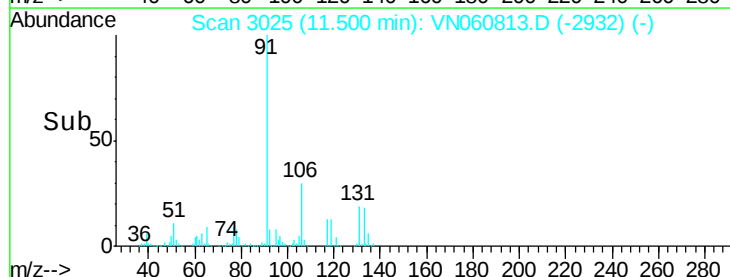
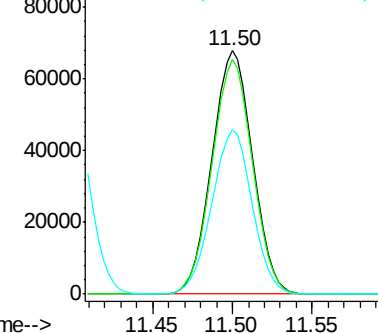
119 66.7 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 55.315 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 599845

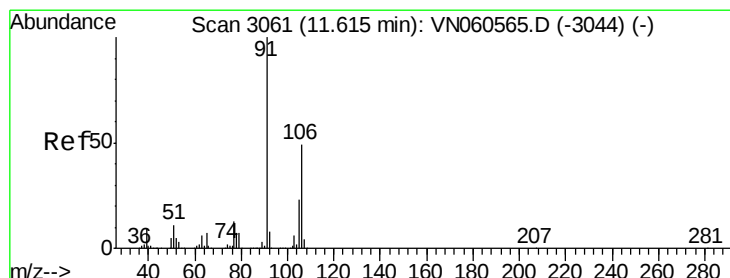
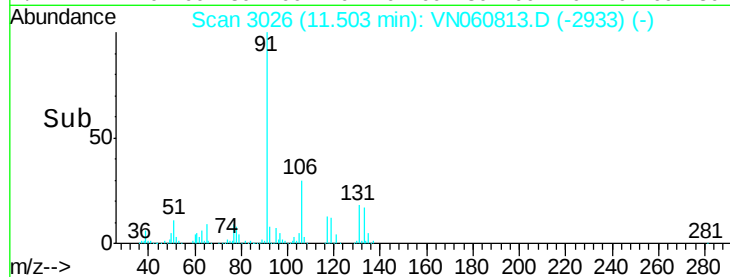
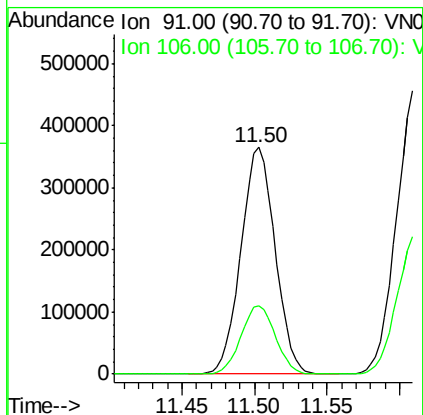
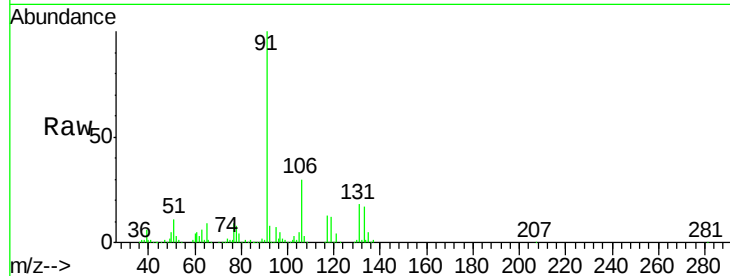
Ion Ratio Lower Upper

91 100

106 30.3 24.2 36.2

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#68

m/p-Xylenes

Concen: 110.430 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060813.D

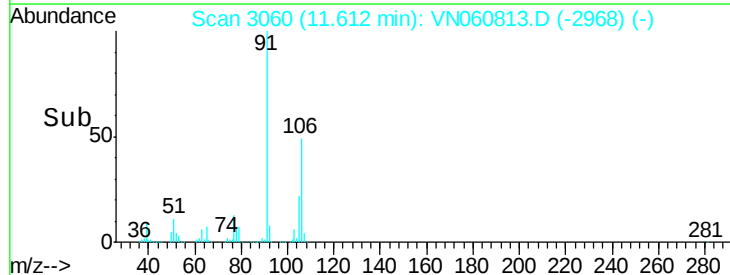
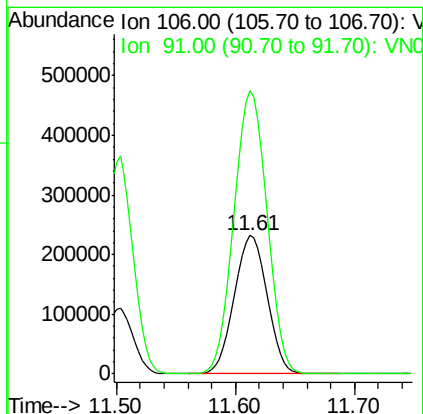
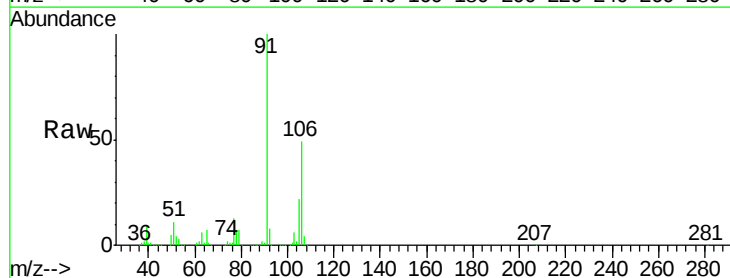
Acq: 2 Apr 2020 10:33

Tgt Ion: 106 Resp: 445005

Ion Ratio Lower Upper

106 100

91 205.6 165.0 247.4





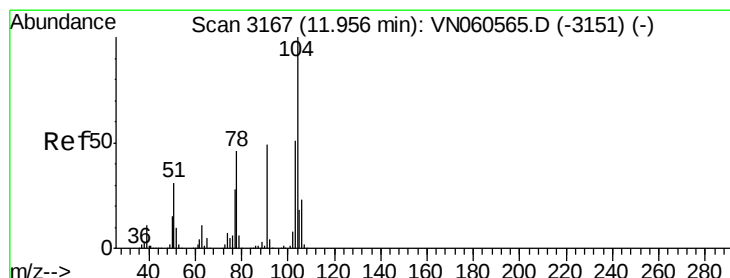
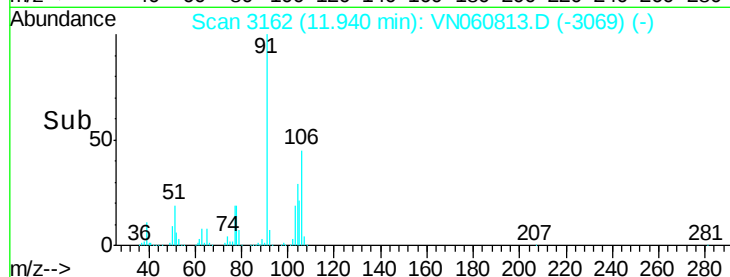
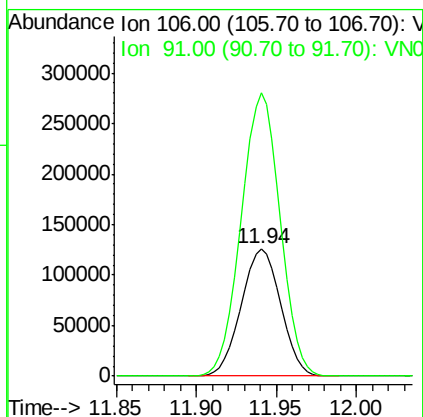
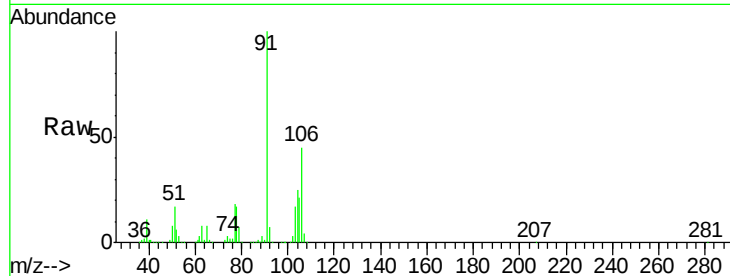
#69
o-Xylene
Concen: 55.260 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.4	109.5	328.4

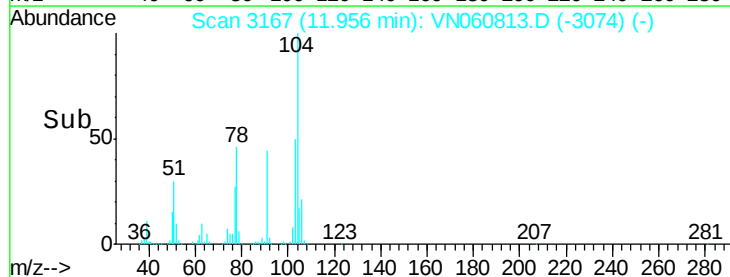
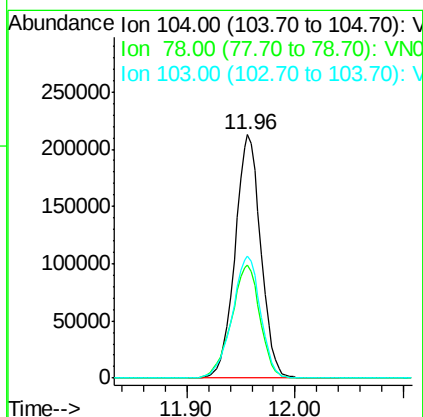
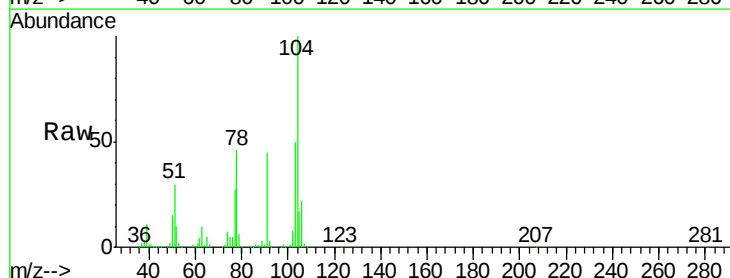
Manual Integrations
APPROVED

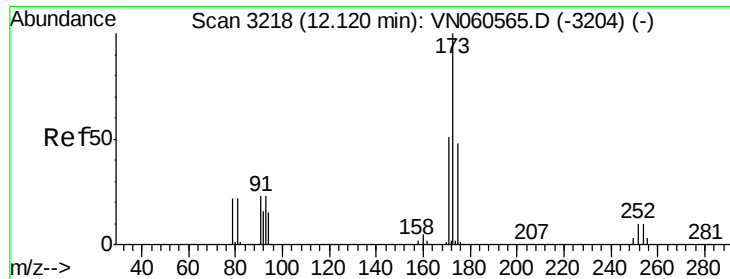
MMDadoda
4/3/2020 12:06:16 PM



#70
Styrene
Concen: 56.272 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.2	61.8
103	54.8	44.0	66.0





#71

Bromoform

Concen: 51.653 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

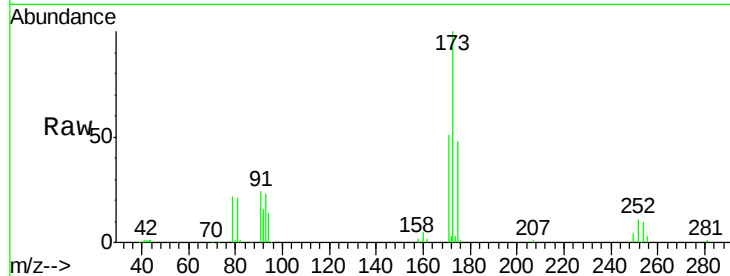
ClientSampleId :

VSTDCCC050

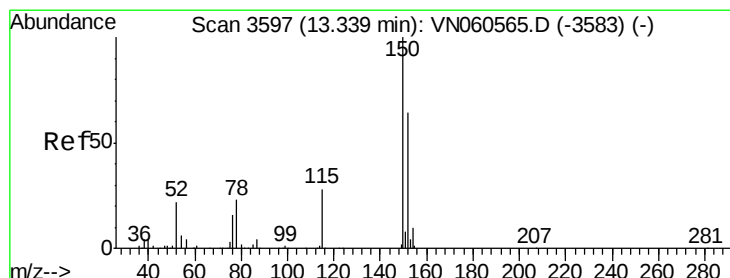
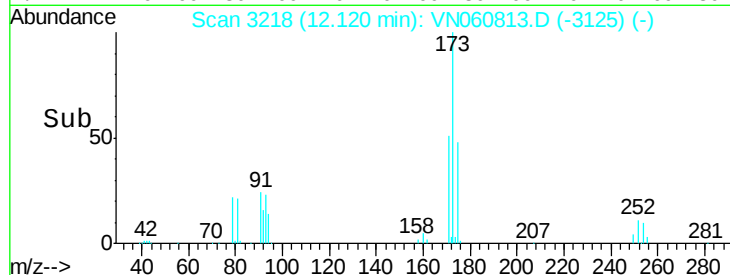
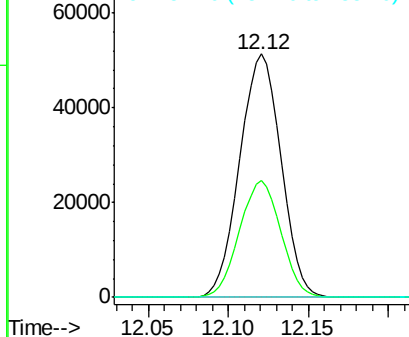
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

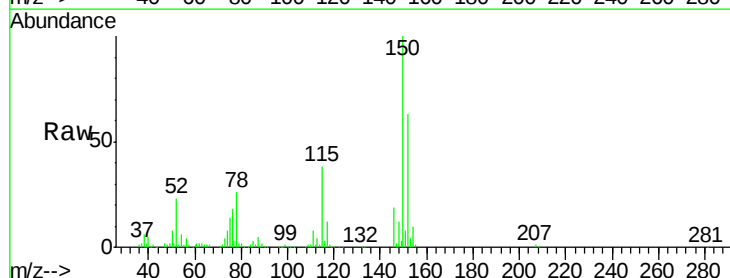
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

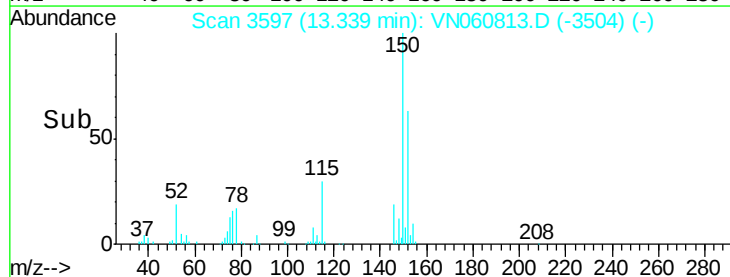
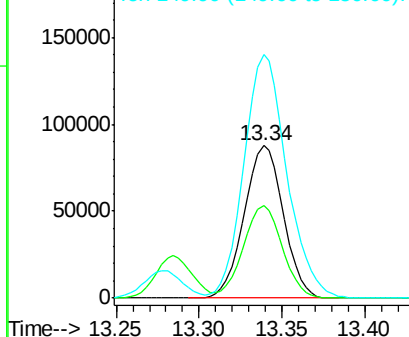
Lab File: VN060813.D

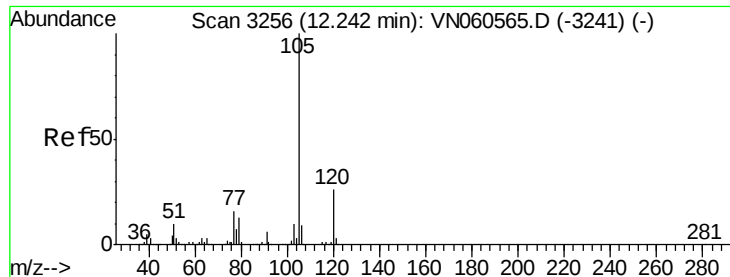
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	174.9	0.0	350.2



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





#73

Isopropylbenzene

Concen: 53.261 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 574799

Ion Ratio Lower Upper

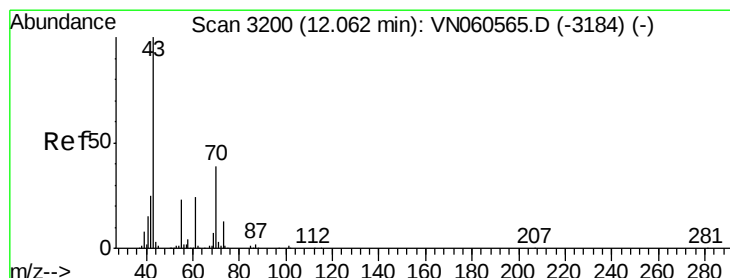
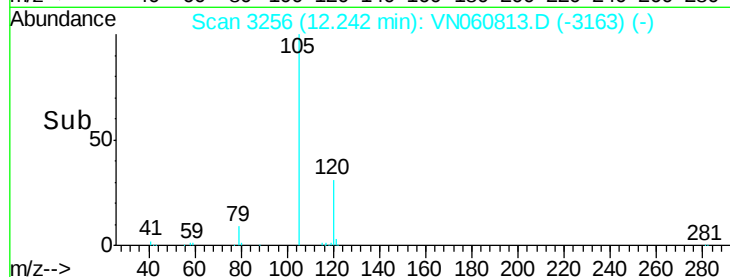
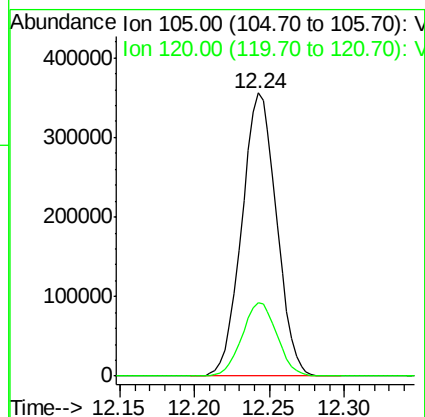
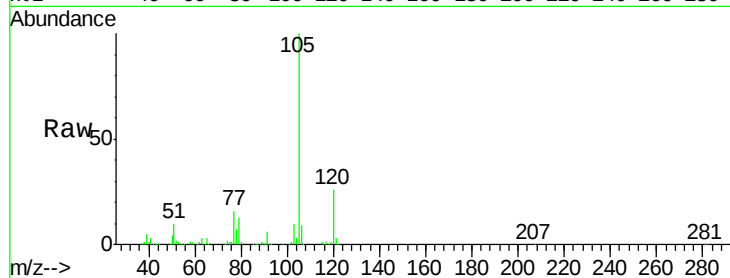
105 100

120 26.1 13.1 39.1

Manual Integrations
APPROVED

MMDadoda

4/3/2020 12:06:16 PM



#74

N-ethyl acetate

Concen: 51.363 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion: 43 Resp: 256143

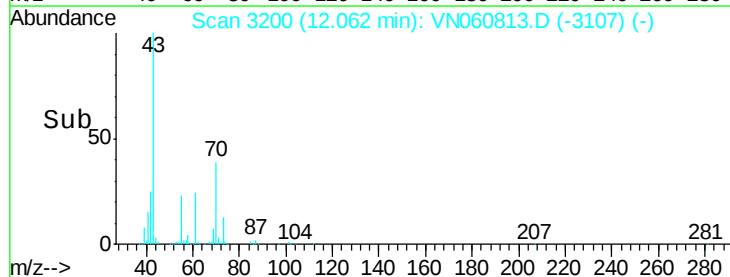
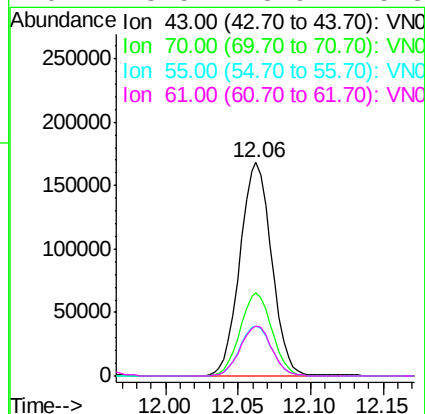
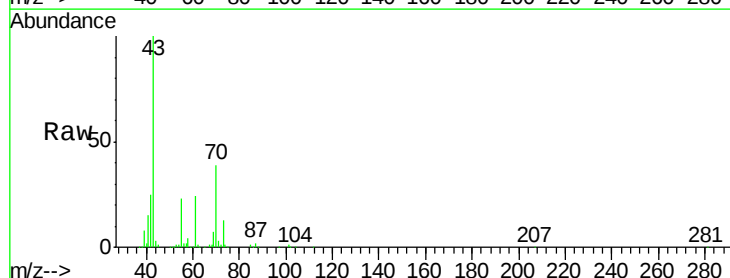
Ion Ratio Lower Upper

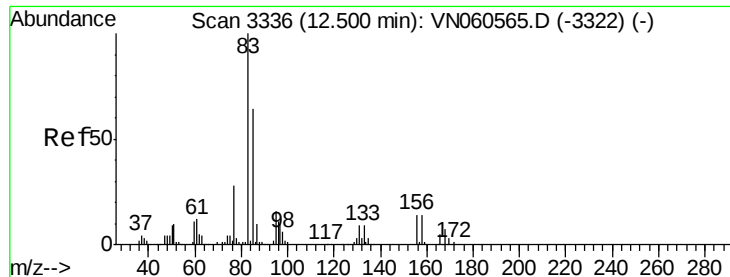
43 100

70 39.0 31.1 46.7

55 23.7 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.591 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

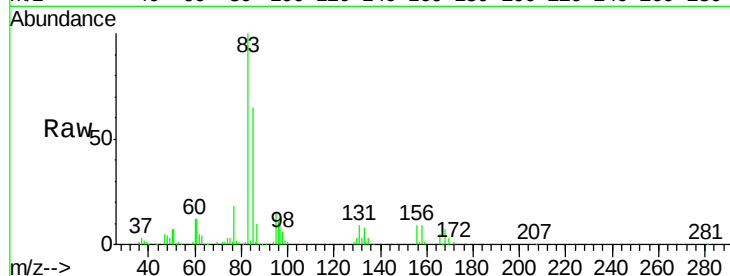
ClientSampled :

VSTDCCC050

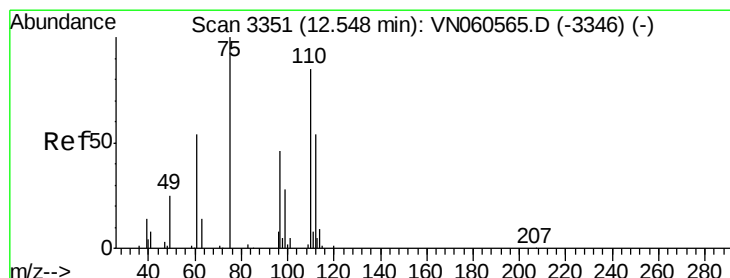
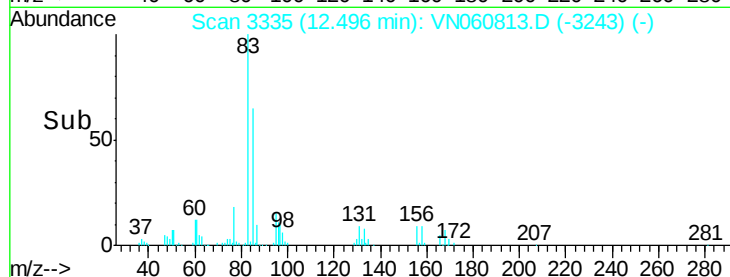
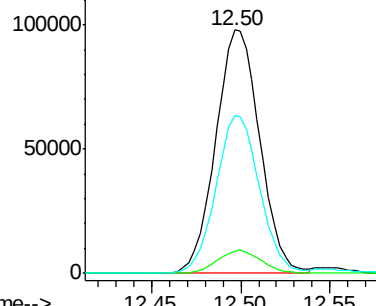
Tot Ion:	83	Resp:	168374
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	64.1	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060813.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 53.303 ug/l m

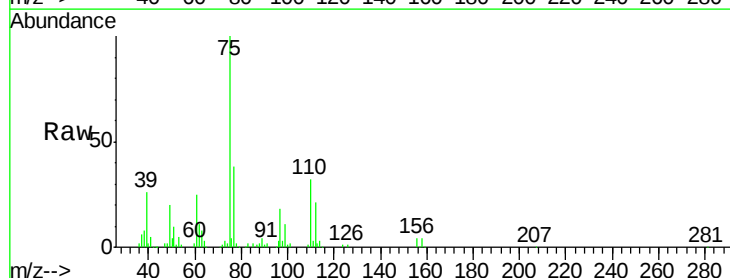
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

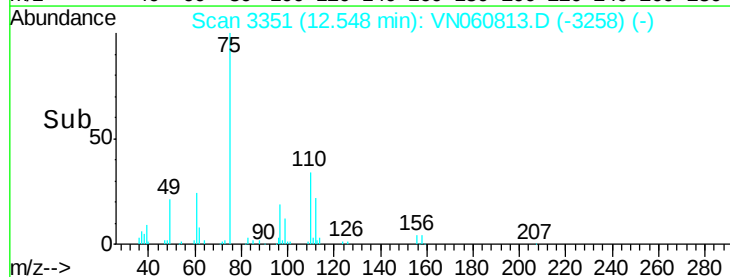
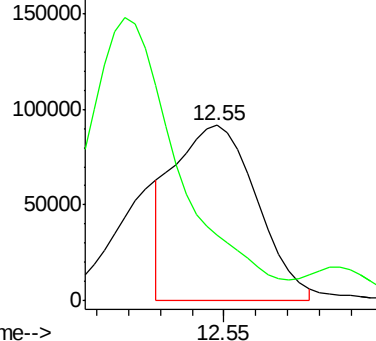
Lab File: VN060813.D

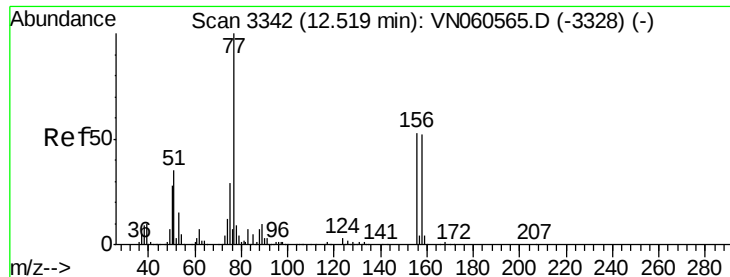
Acq: 2 Apr 2020 10:33

Tgt Ion:	75	Resp:	165403
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060813.D (-3258) (-)





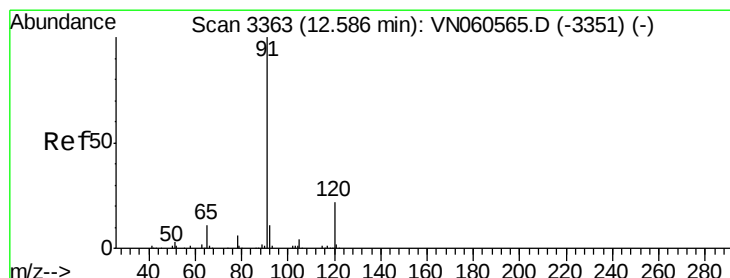
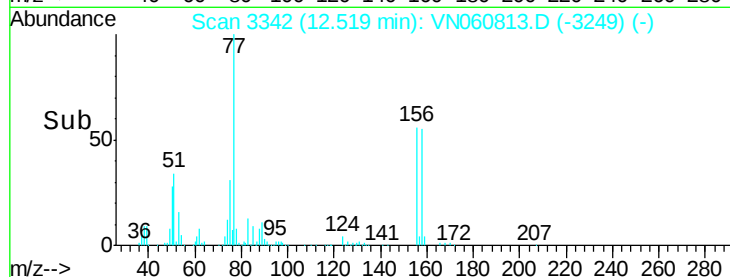
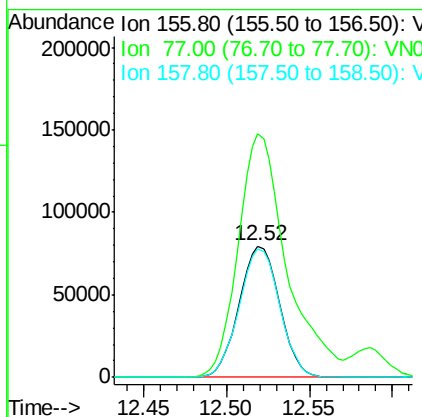
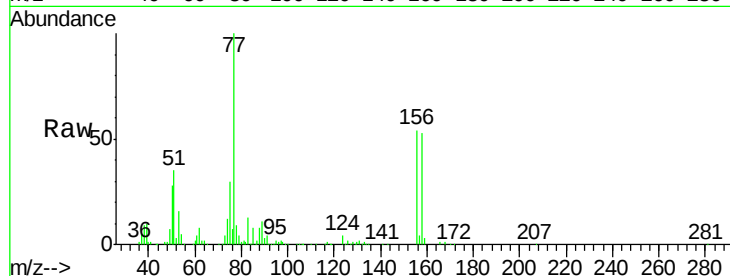
#77
Bromobenzene
Concen: 51.889 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.3	112.3	337.0
158	98.3	48.6	145.8

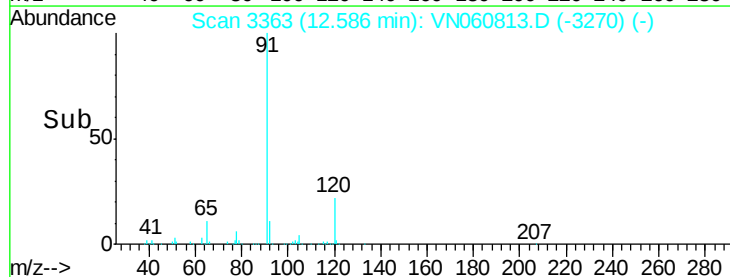
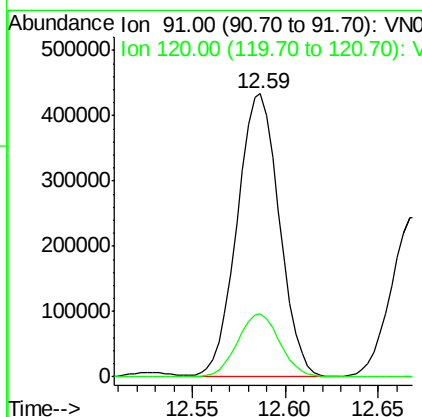
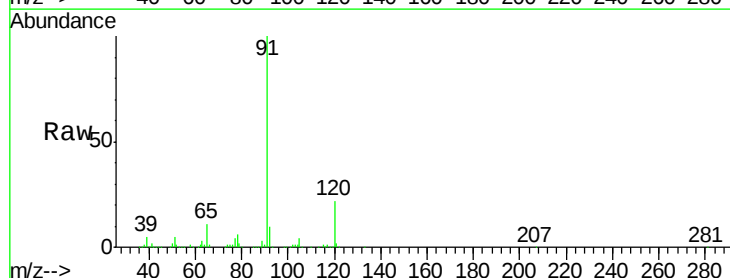
Manual Integrations
APPROVED

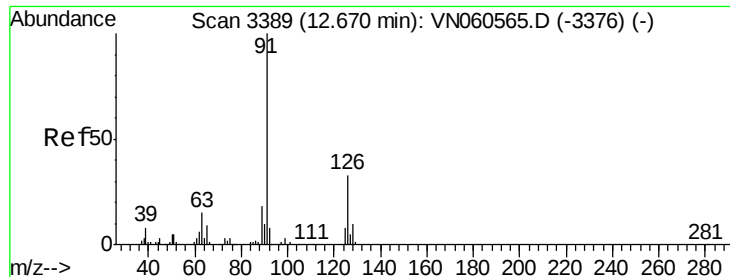
MMDadoda
4/3/2020 12:06:16 PM



#78
n-propylbenzene
Concen: 53.769 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.8





#79

2-Chlorotoluene

Concen: 52.164 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 397402

Ion Ratio Lower Upper

91 100

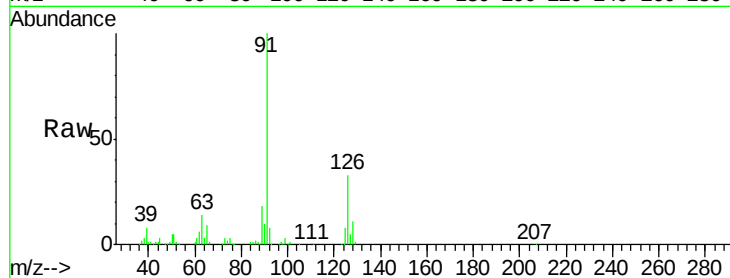
126 32.7 16.4 49.1

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:06:16 PM



Abundance Ion 91.00 (90.70 to 91.70): VN060813.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060813.D (-3296) (-)

400000

300000

200000

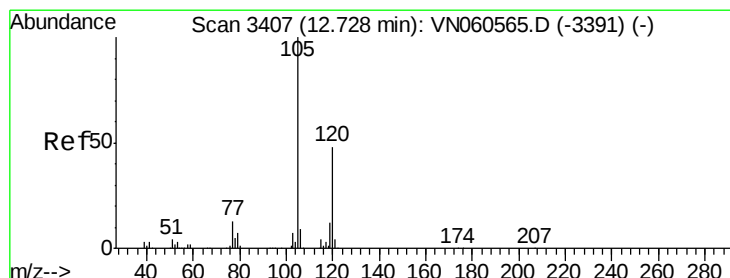
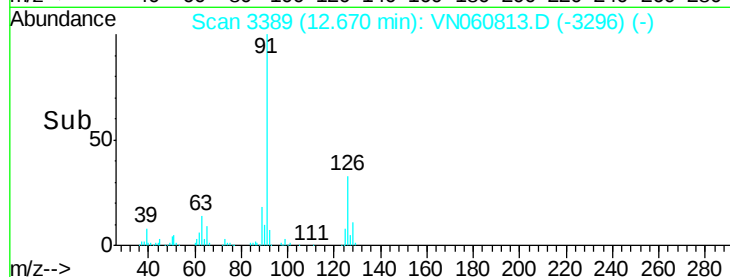
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.026 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060813.D

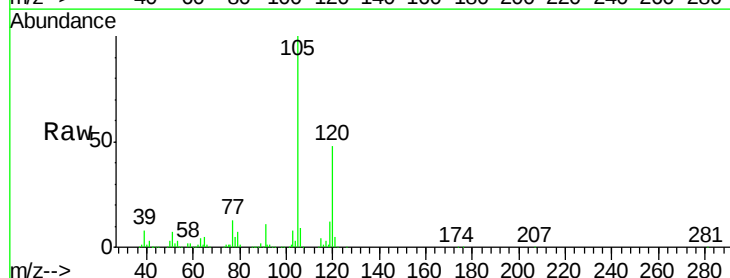
Acq: 2 Apr 2020 10:33

Tgt Ion:105 Resp: 485642

Ion Ratio Lower Upper

105 100

120 48.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060813.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060813.D (-3314) (-)

300000

200000

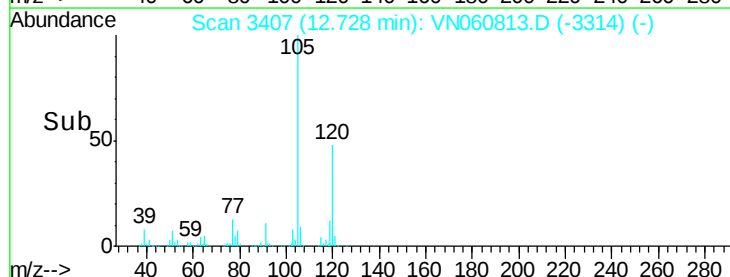
100000

0

12.65 12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.349 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Instrument :

MSVOA_N

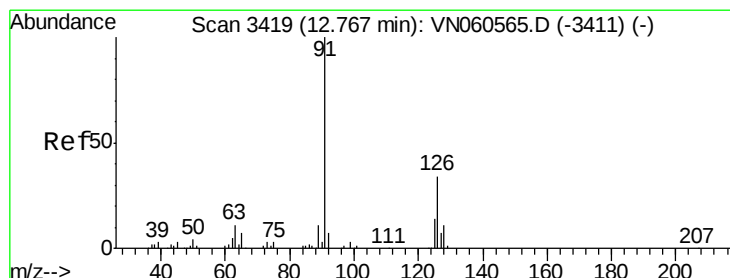
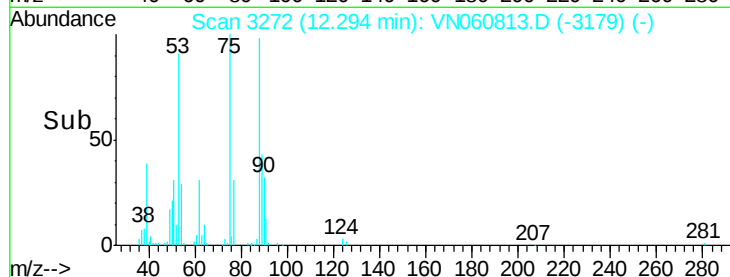
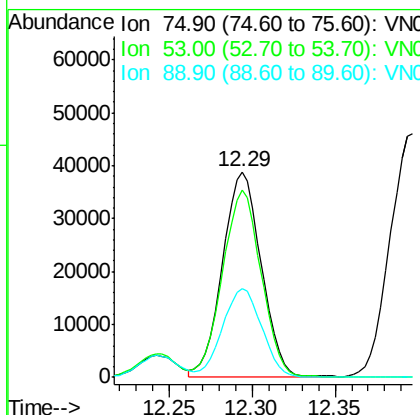
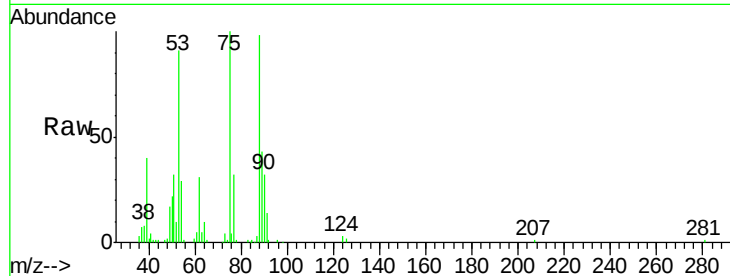
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	63249
Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.0	109.4
89	43.7	34.8	52.2

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#82

4-Chlorotoluene

Concen: 52.990 ug/l

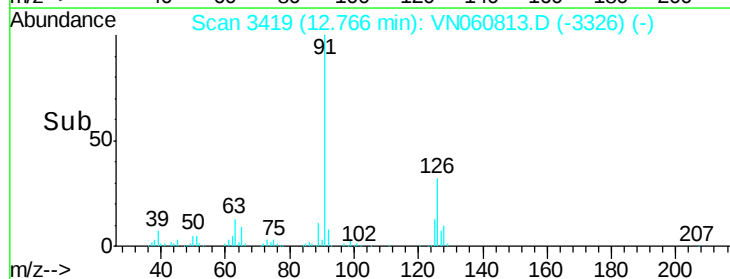
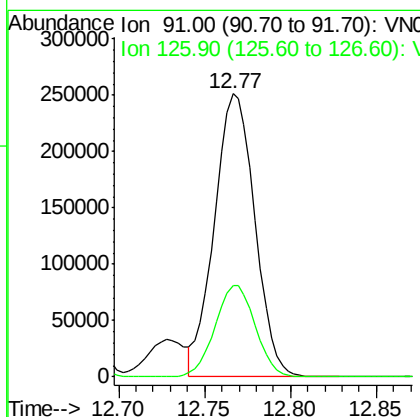
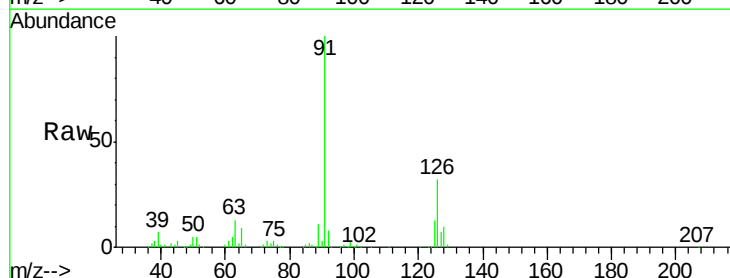
RT: 12.77 min Scan# 3419

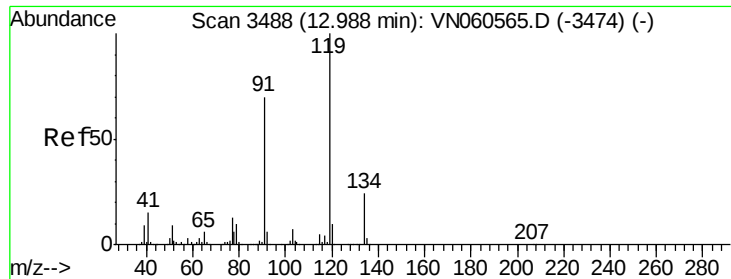
Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion:	91	Resp:	411158
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.5





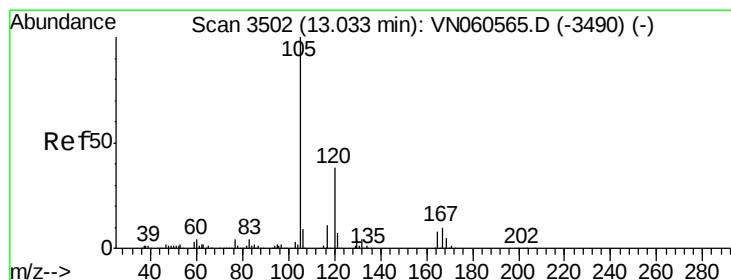
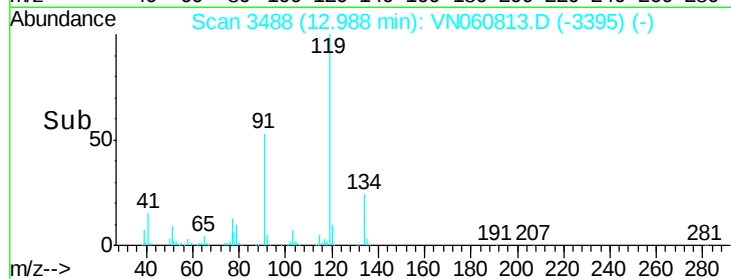
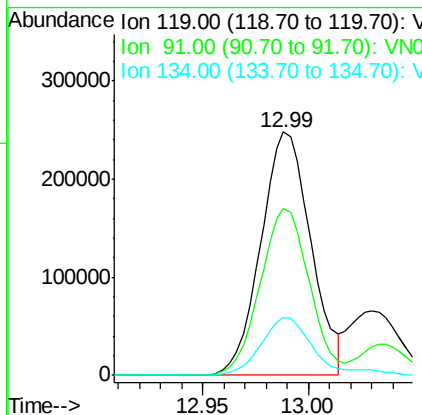
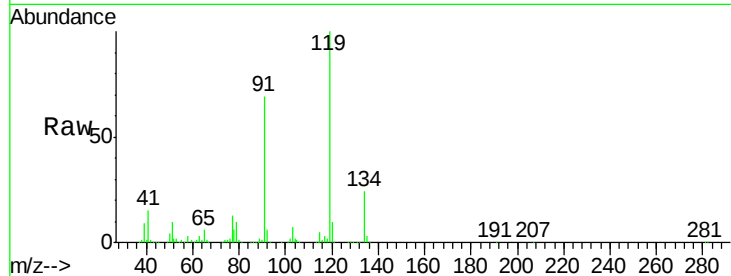
#83
 tert-Butylbenzene
 Concen: 53.838 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	25.2	12.7	38.0

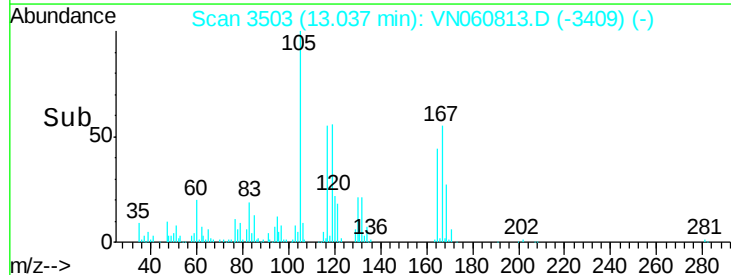
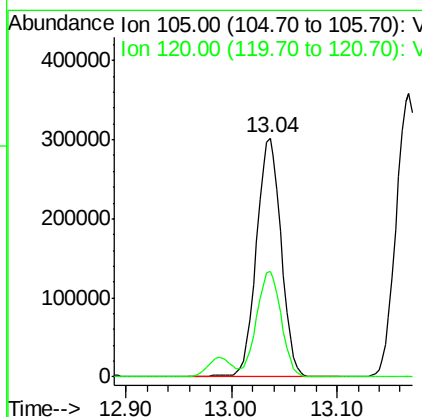
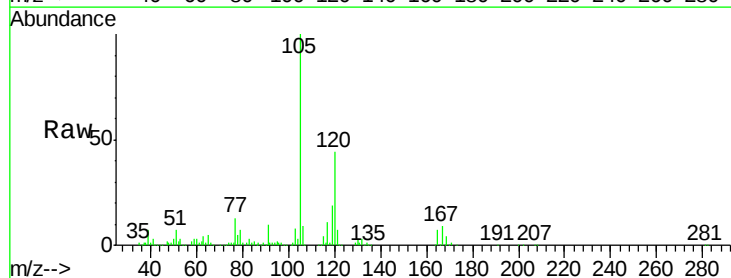
Manual Integrations
 APPROVED

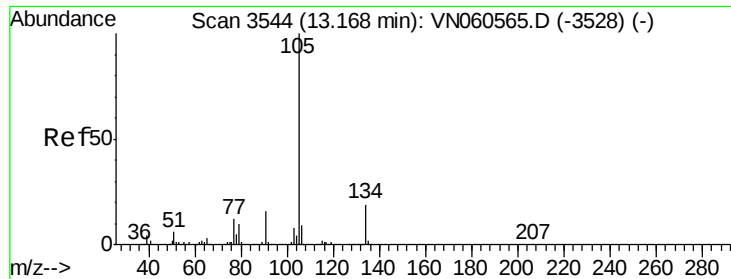
MMDadoda
 4/3/2020 12:06:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.254 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





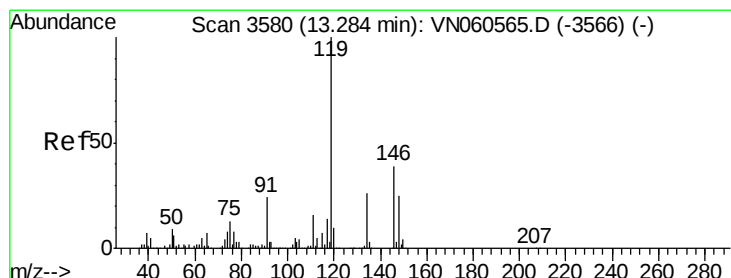
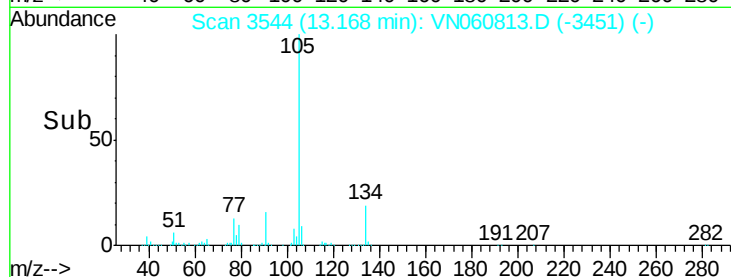
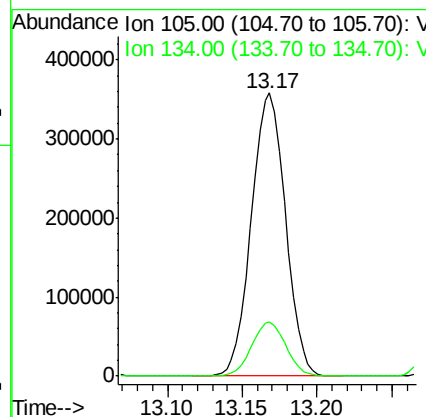
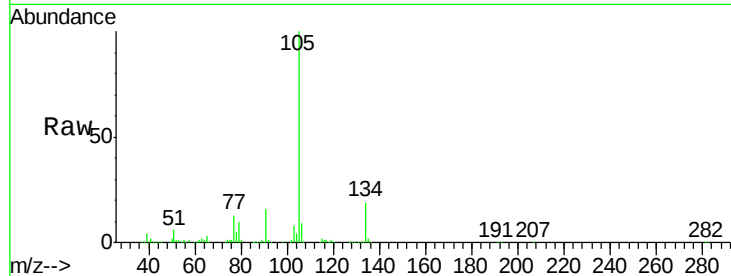
#85
 sec-Butylbenzene
 Concen: 55.684 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	568491		
134	19.2	9.6	28.8	

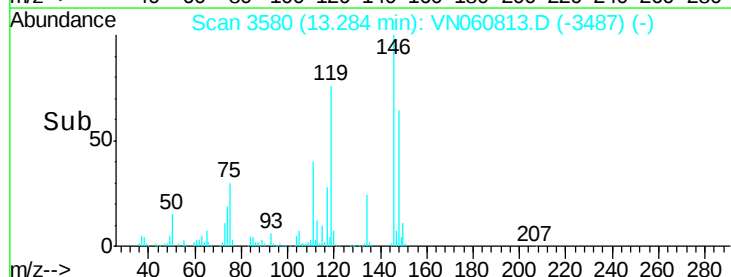
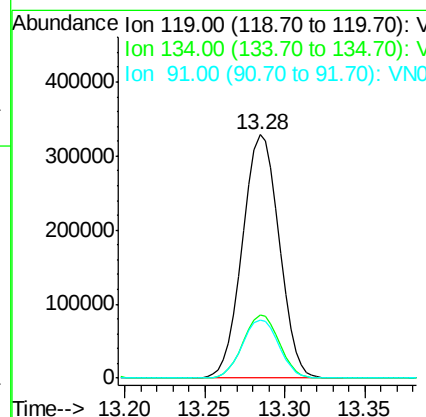
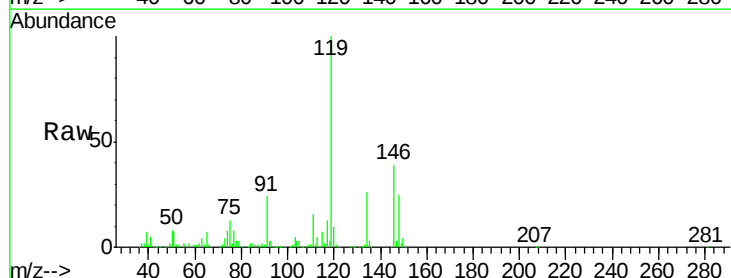
Manual Integrations
 APPROVED

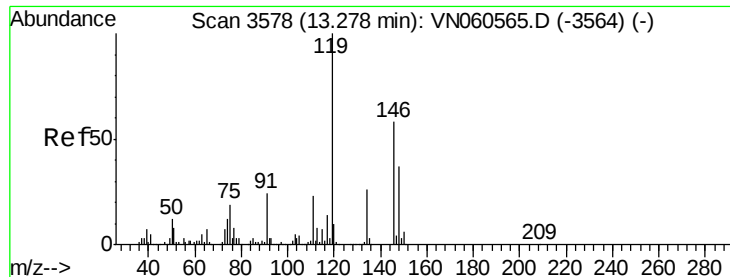
MMDadoda
 4/3/2020 12:06:16 PM



#86
 p-Isopropyltoluene
 Concen: 55.832 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	512561		
134	25.7	13.0	39.0	
91	24.0	12.0	36.0	





#87

1,3-Dichlorobenzene

Concen: 54.223 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060813.D

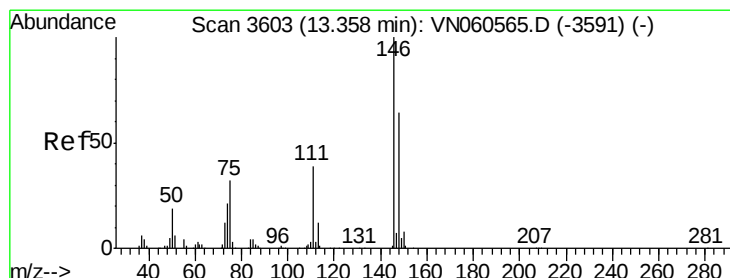
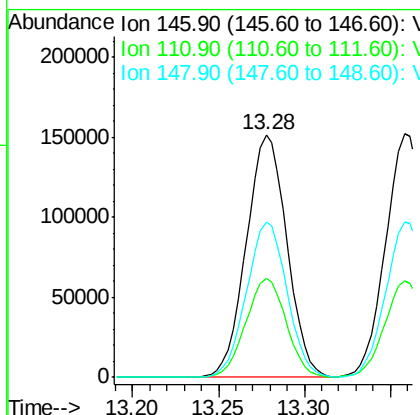
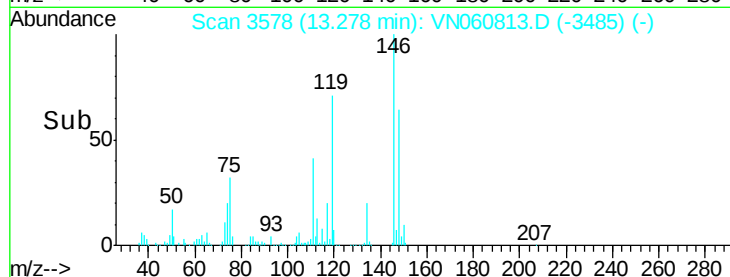
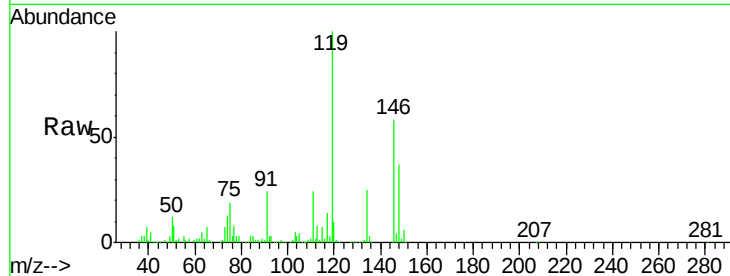
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	63.9	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#88

1,4-Dichlorobenzene

Concen: 54.055 ug/l

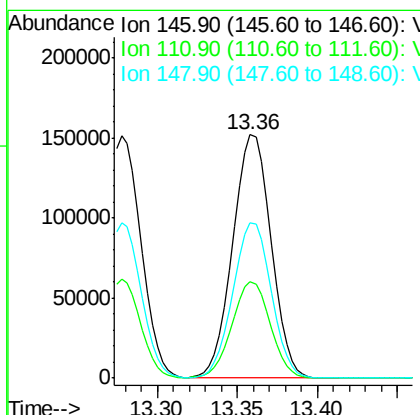
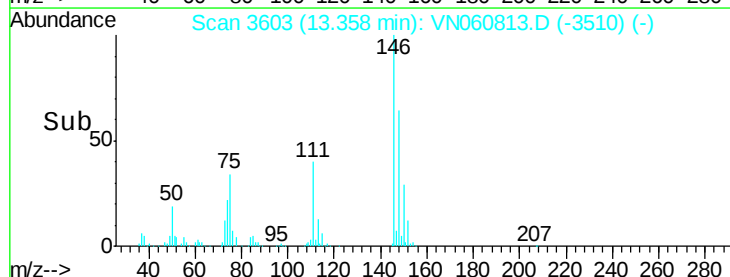
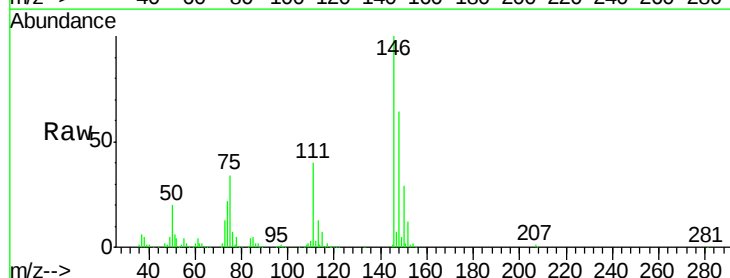
RT: 13.36 min Scan# 3603

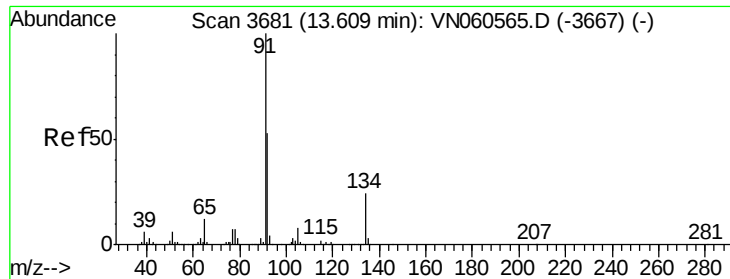
Delta R.T. -0.00 min

Lab File: VN060813.D

Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	63.8	32.1	96.3





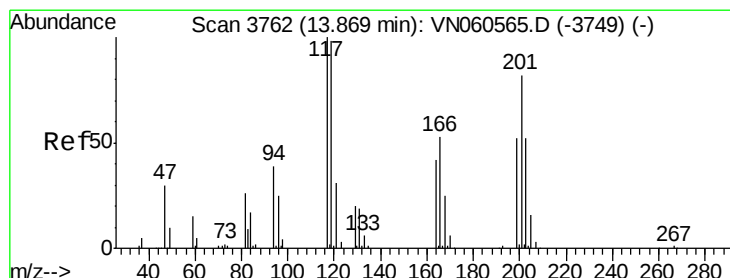
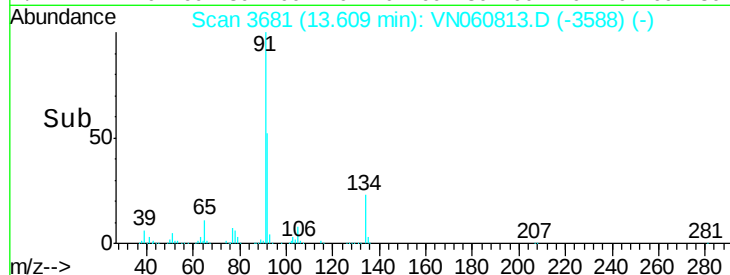
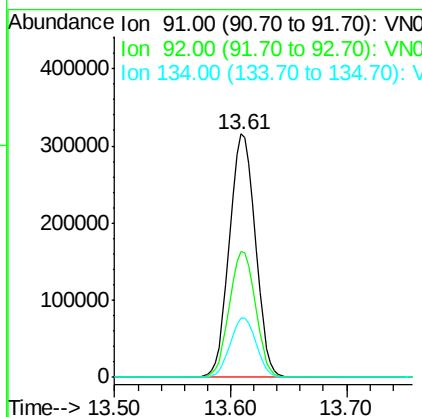
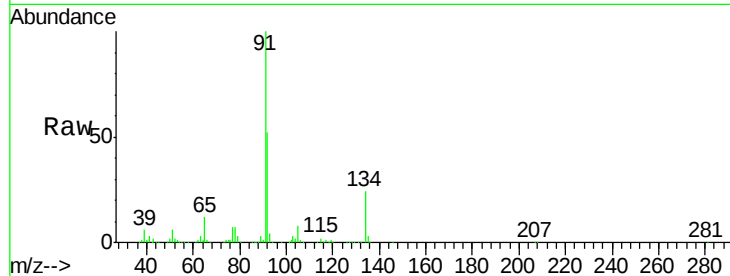
#89
n-Butylbenzene
Concen: 58.636 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	24.5	12.3	36.9

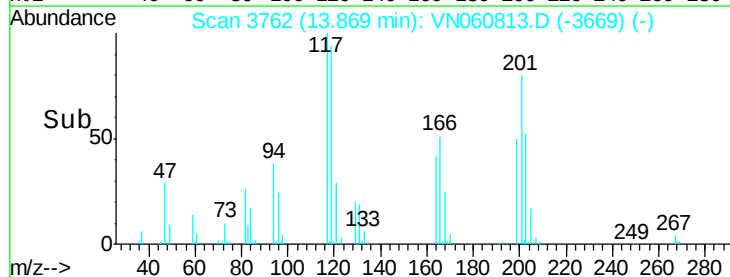
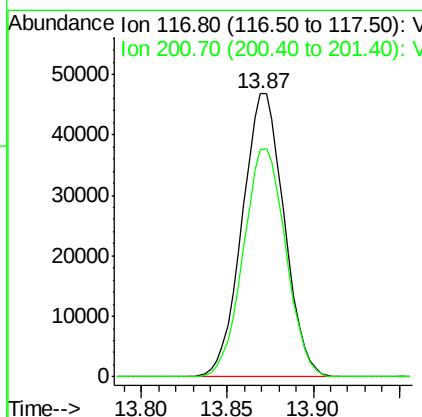
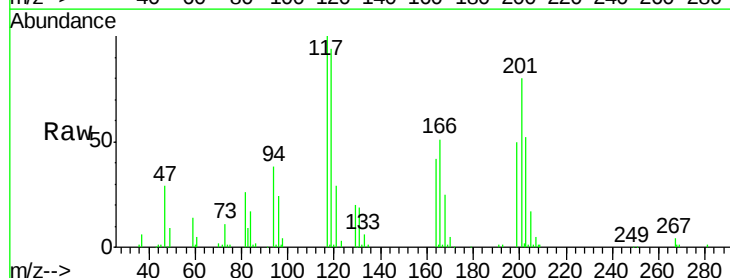
Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#90
Hexachloroethane
Concen: 59.529 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	40.8	122.5





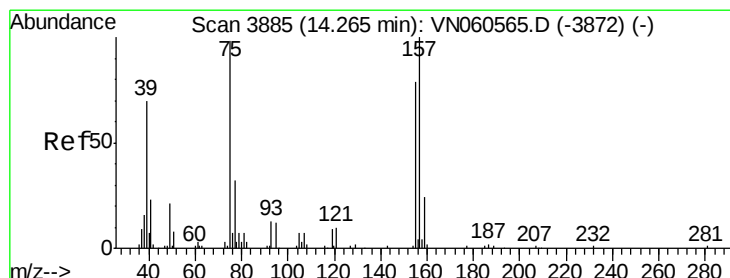
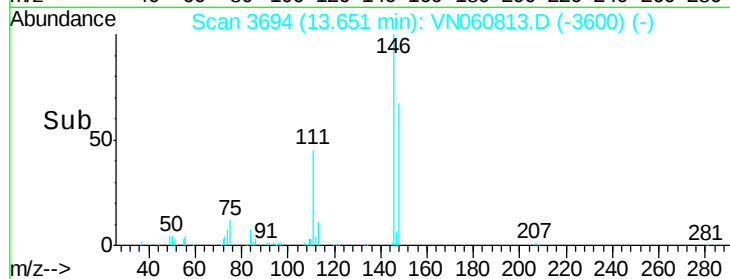
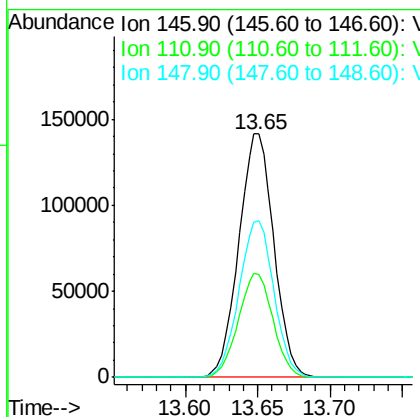
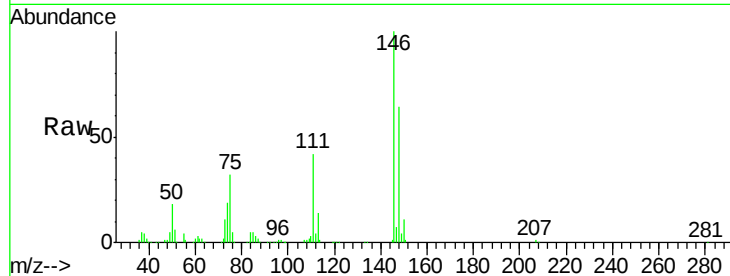
#91
 1,2-Dichlorobenzene
 Concen: 54.123 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	64.1	31.9	95.5

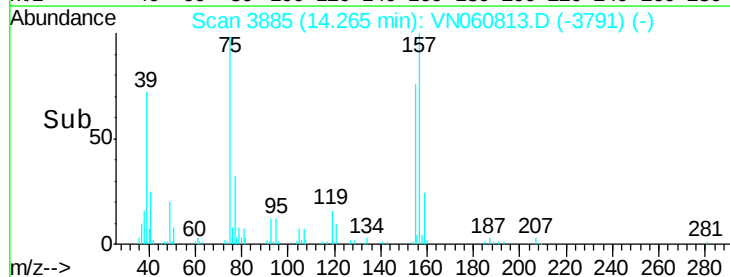
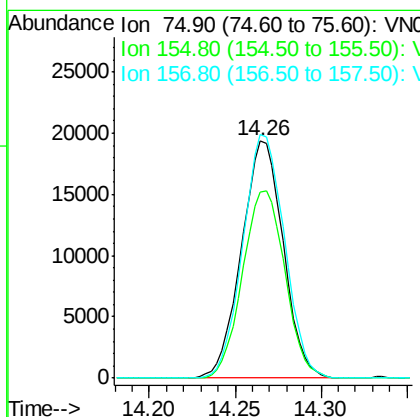
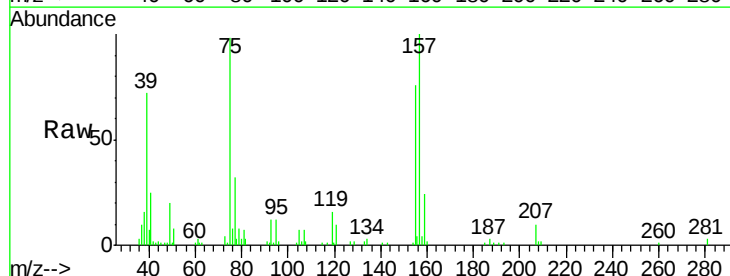
Manual Integrations
 APPROVED

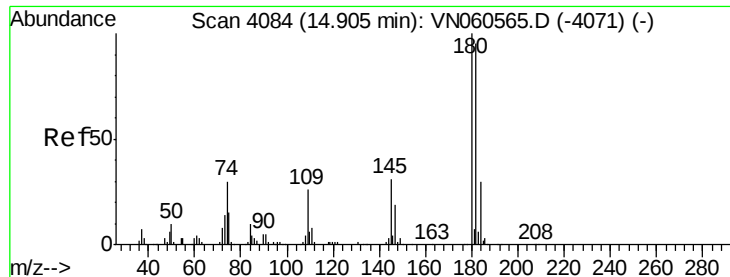
MMDadoda
 4/3/2020 12:06:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.719 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.7	122.1
157	102.2	51.5	154.7





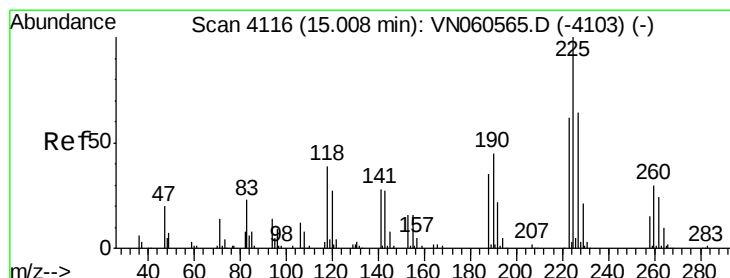
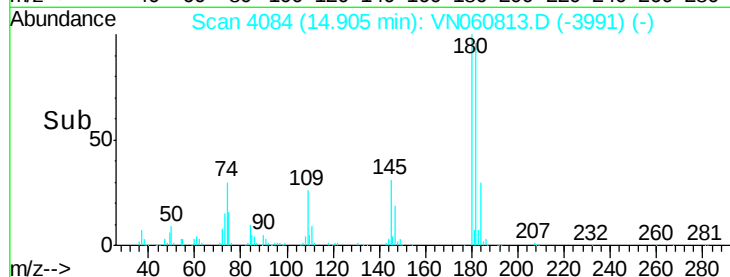
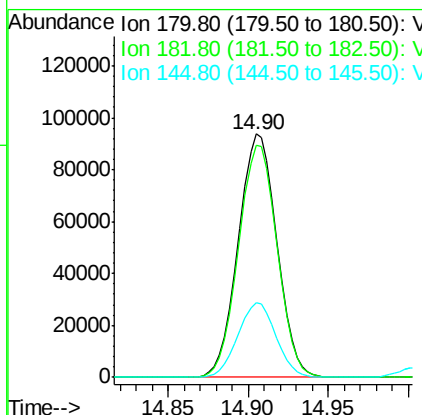
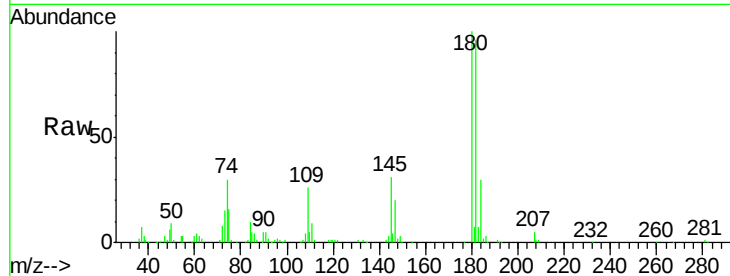
#93
 1,2,4-Trichlorobenzene
 Concen: 57.242 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	154165		
182	95.4	47.9	143.8	
145	30.3	15.4	46.2	

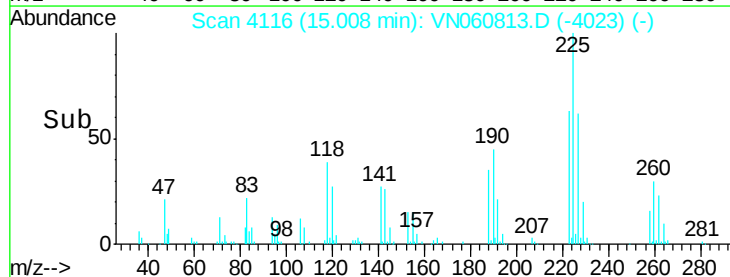
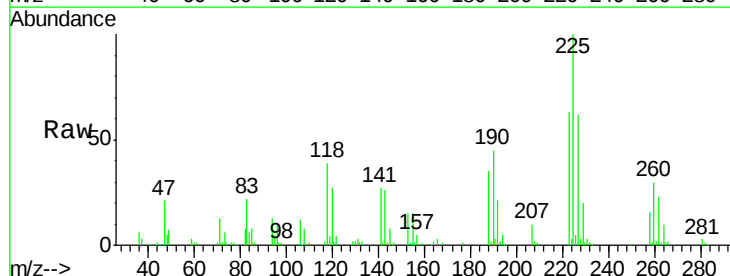
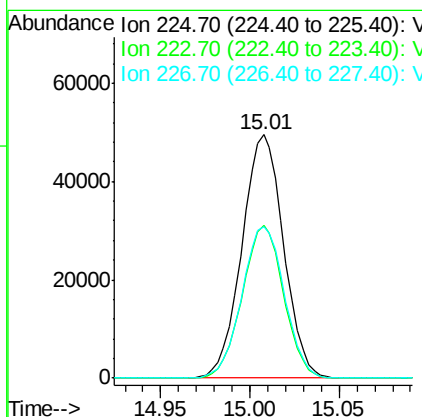
Manual Integrations
 APPROVED

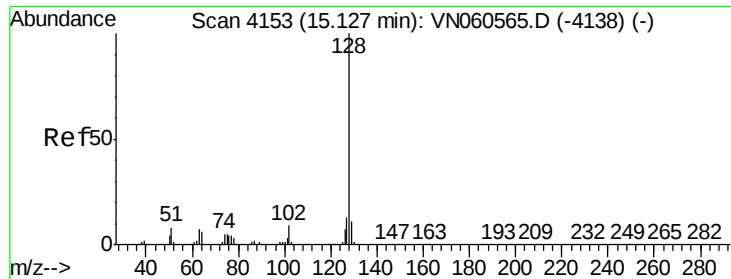
MMDadoda
 4/3/2020 12:06:16 PM



#94
 Hexachlorobutadiene
 Concen: 60.931 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060813.D
 Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80446		
223	62.3	31.6	95.0	
227	63.7	32.3	96.8	





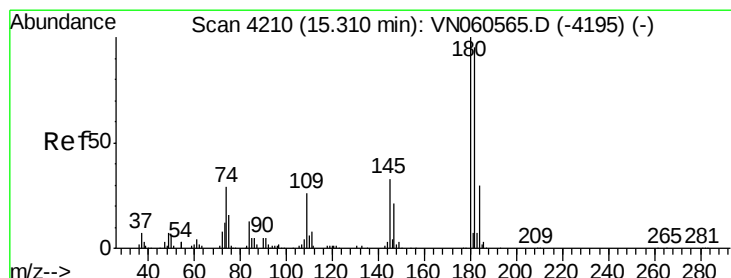
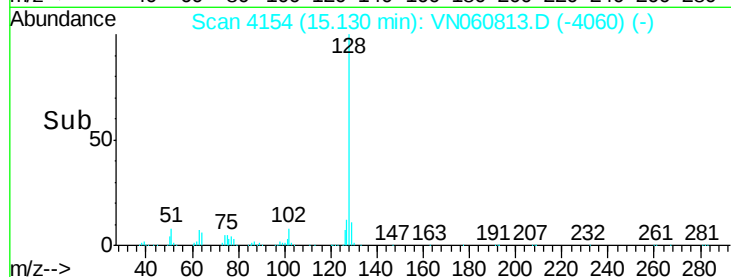
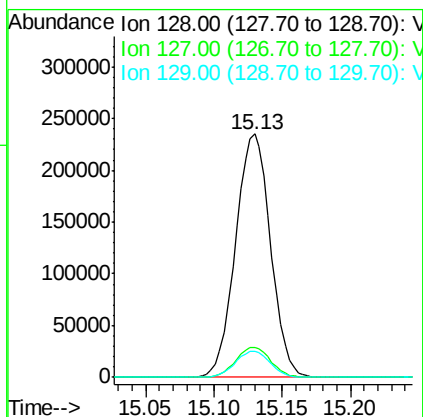
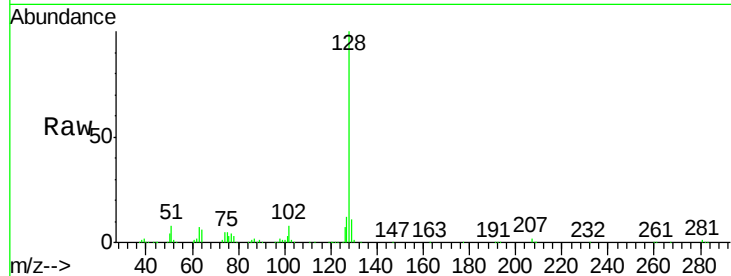
#95
Naphthalene
Concen: 51.560 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.906 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060813.D
Acq: 2 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	31.9	16.3	48.8

