

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032620\
 Data File : VN060706.D
 Acq On : 26 Mar 2020 11:22
 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

apatel
 3/27/2020 10:11:08 AM

Quant Time: Mar 27 05:41:04 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	201014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129964	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
35) Dibromofluoromethane	7.56	113	96537	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.08	98	393006	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.40	95	146115	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88922	45.718	ug/l	100
3) Chloromethane	2.04	50	153319	42.206	ug/l	99
4) Vinyl Chloride	2.17	62	118599	41.742	ug/l	98
5) Bromomethane	2.54	94	56598	46.145	ug/l	99
6) Chloroethane	2.68	64	73545	44.935	ug/l	99
7) Trichlorofluoromethane	3.00	101	158380	45.251	ug/l	96
8) Diethyl Ether	3.38	74	64484	45.862	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	96492	47.578	ug/l	100
10) Methyl Iodide	3.92	142	84230	46.674	ug/l	99
11) Tert butyl alcohol	4.72	59	74099	182.586	ug/l	99
12) 1,1-Dichloroethene	3.71	96	96038	44.128	ug/l	96
13) Acrolein	3.57	56	140386	312.122	ug/l	100
14) Allyl chloride	4.29	41	174327	45.543	ug/l	98
15) Acrylonitrile	4.93	53	255426	214.036	ug/l	99
16) Acetone	3.77	43	269621	275.839	ug/l	98
17) Carbon Disulfide	4.03	76	287685	43.464	ug/l	100
18) Methyl Acetate	4.28	43	119005	43.254	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	330854	44.217	ug/l	97
20) Methylene Chloride	4.52	84	109813	45.670	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	104515	45.059	ug/l	93
22) Diisopropyl ether	5.91	45	381005	47.114	ug/l	99
23) Vinyl Acetate	5.85	43	1540218	233.431	ug/l	99
24) 1,1-Dichloroethane	5.81	63	204164	46.311	ug/l	100
25) 2-Butanone	6.79	43	353744	223.648	ug/l	100
26) 2,2-Dichloropropane	6.79	77	177503	51.175	ug/l	100
27) cis-1,2-Dichloroethene	6.79	96	121569	46.121	ug/l	99
28) Bromochloromethane	7.16	49	110734	52.500	ug/l	99
29) Tetrahydrofuran	7.18	42	222272	198.614	ug/l	99
30) Chloroform	7.34	83	194358	45.988	ug/l	100
31) Cyclohexane	7.63	56	193589	43.558	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	167166	45.882	ug/l	99
36) 1,1-Dichloropropene	7.77	75	153102	48.206	ug/l	99
37) Ethyl Acetate	6.89	43	144826	42.202	ug/l	100
38) Carbon Tetrachloride	7.75	117	136228	47.858	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032620\
 Data File : VN060706.D
 Acq On : 26 Mar 2020 11:22
 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

apatel
 3/27/2020 10:11:08 AM

Quant Time: Mar 27 05:41:04 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	187494	49.677	ug/l	98
40) Benzene	8.02	78	454660	47.422	ug/l	100
41) Methacrylonitrile	7.13	41	69245	47.280	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	155326	47.405	ug/l	99
43) Isopropyl Acetate	8.14	43	251224	44.389	ug/l	99
44) Trichloroethene	8.81	130	117473	48.605	ug/l	97
45) 1,2-Dichloropropane	9.10	63	122595	48.460	ug/l	98
46) Dibromomethane	9.19	93	72271	47.253	ug/l	99
47) Bromodichloromethane	9.38	83	152856	48.095	ug/l	99
48) Methyl methacrylate	9.18	41	110783	43.965	ug/l	100
49) 1,4-Dioxane	9.18	88	25928	865.688	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	705474	219.055	ug/l	99
52) Toluene	10.14	92	277539	47.933	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	179720	49.229	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	195752	48.877	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	104789	47.042	ug/l	99
56) Ethyl methacrylate	10.42	69	165702	47.707	ug/l	99
57) 1,3-Dichloropropane	10.69	76	184477	47.724	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	554691	321.323	ug/l	99
59) 2-Hexanone	10.74	43	520283	224.267	ug/l	100
60) Dibromochloromethane	10.89	129	110800	48.154	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106079	47.358	ug/l	99
64) Tetrachloroethene	10.62	164	112716	47.103	ug/l	99
65) Chlorobenzene	11.42	112	284512	47.196	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	103394	47.371	ug/l	99
67) Ethyl Benzene	11.50	91	536097	47.820	ug/l	99
68) m/p-Xylenes	11.61	106	396220	95.110	ug/l	99
69) o-Xylene	11.94	106	188328	47.356	ug/l	99
70) Styrene	11.96	104	314292	48.322	ug/l	100
71) Bromoform	12.12	173	77498	42.965	ug/l #	100
73) Isopropylbenzene	12.24	105	510883	45.990	ug/l	100
74) N-amyl acetate	12.06	43	222144	43.276	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	144997	43.162	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141106m	44.178	ug/l	
77) Bromobenzene	12.52	156	120795	45.127	ug/l	98
78) n-propylbenzene	12.59	91	611462	46.591	ug/l	100
79) 2-Chlorotoluene	12.67	91	355145	45.290	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	434399	46.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	55191	44.378	ug/l	99
82) 4-Chlorotoluene	12.77	91	369502	46.265	ug/l	100
83) tert-Butylbenzene	12.99	119	361434	46.250	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	437867	46.950	ug/l	99
85) sec-Butylbenzene	13.17	105	496730	47.269	ug/l	100
86) p-Isopropyltoluene	13.28	119	448913	47.506	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	221642	46.947	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	221825	46.767	ug/l	99
89) n-Butylbenzene	13.61	91	419344	49.152	ug/l	99
90) Hexachloroethane	13.87	117	64609	47.037	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	213182	47.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	27699	39.309	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032620\
Data File : VN060706.D
Acq On : 26 Mar 2020 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

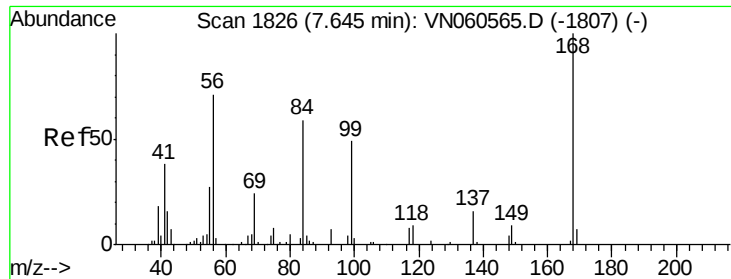
Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM

Quant Time: Mar 27 05:41:04 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	136763	49.334	ug/l	99
94) Hexachlorobutadiene	15.01	225	67771	49.869	ug/l	98
95) Naphthalene	15.13	128	366366	43.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	124561	45.618	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 201014

Ion Ratio Lower Upper

168 100

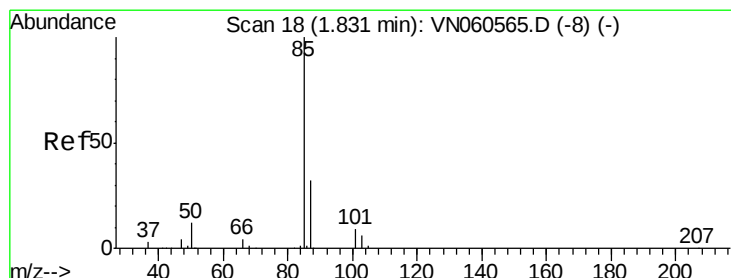
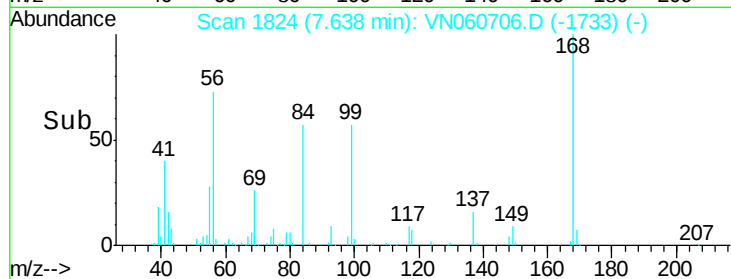
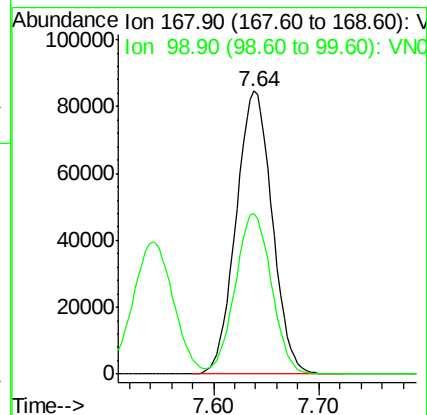
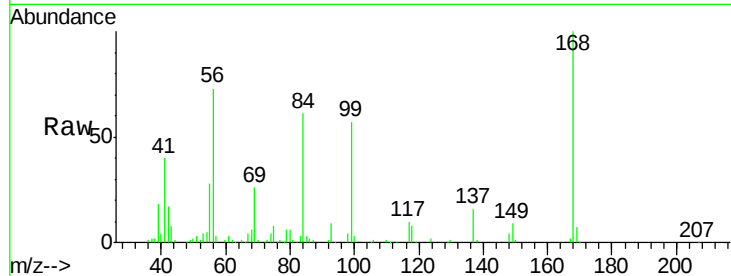
99 56.9 44.0 66.0

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM



#2

Dichlorodifluoromethane

Concen: 45.718 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060706.D

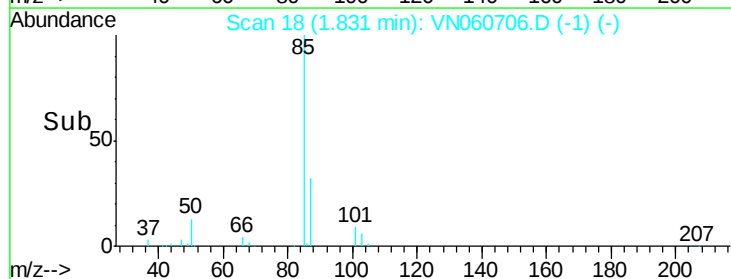
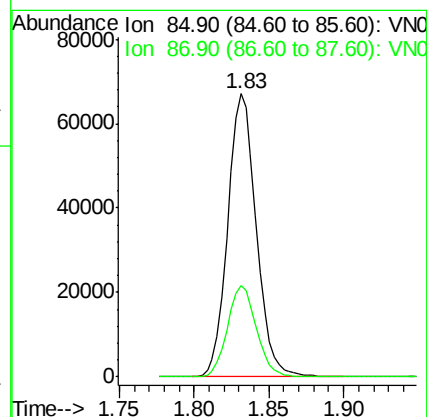
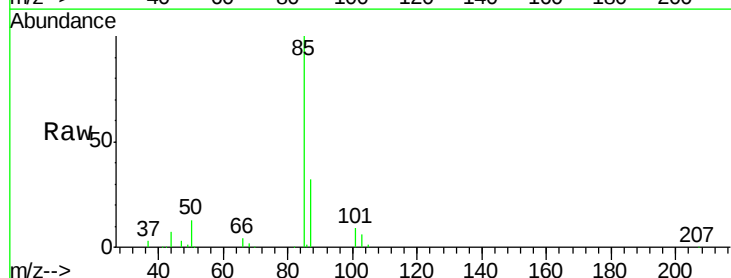
Acq: 26 Mar 2020 11:22

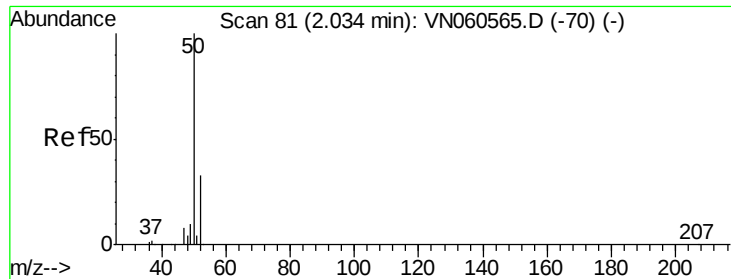
Tgt Ion: 85 Resp: 88922

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5





#3

Chloromethane

Concen: 42.206 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 153319

Ion Ratio Lower Upper

50 100

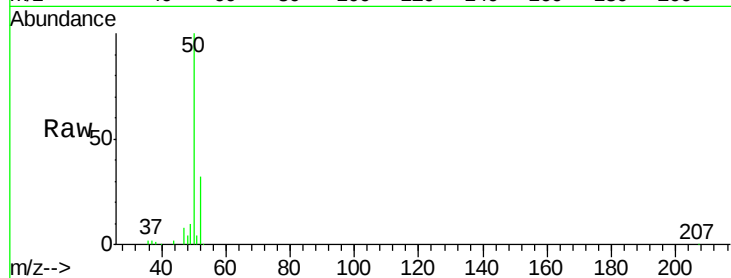
52 32.2 26.2 39.2

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

120000

100000

80000

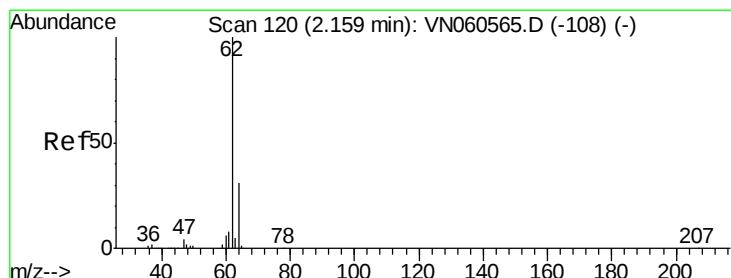
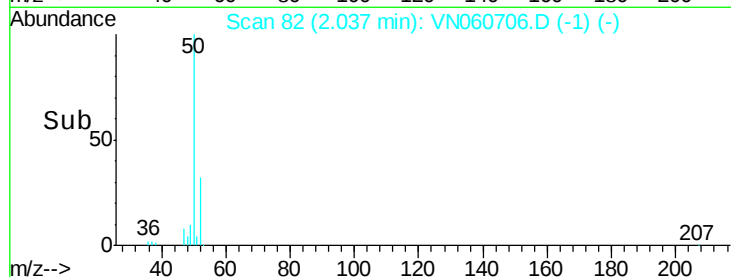
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 41.742 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060706.D

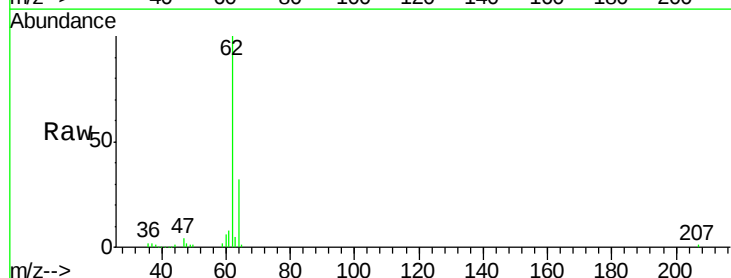
Acq: 26 Mar 2020 11:22

Tgt Ion: 62 Resp: 118599

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

80000

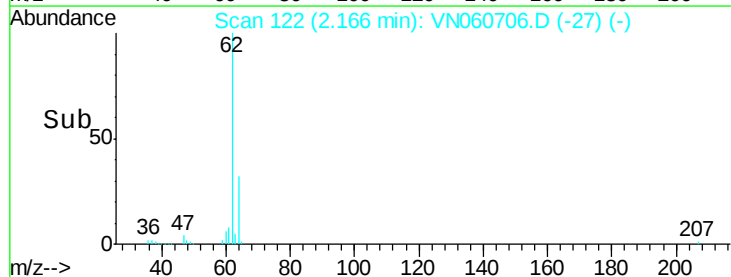
60000

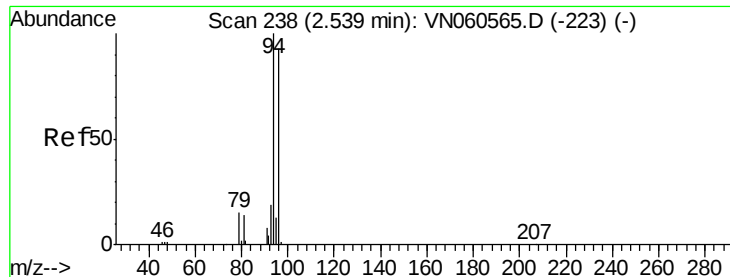
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 46.145 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 56598

Ion Ratio Lower Upper

94 100

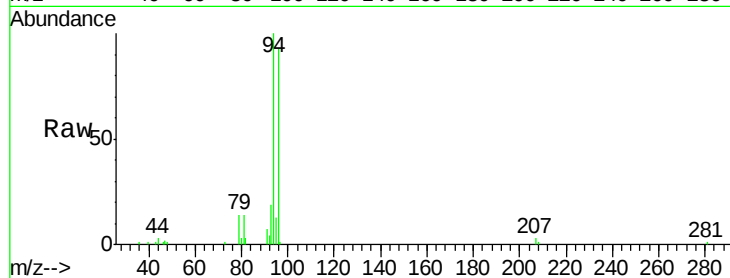
96 92.6 74.6 112.0

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM

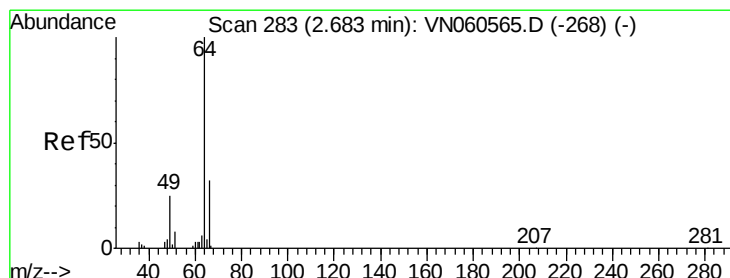
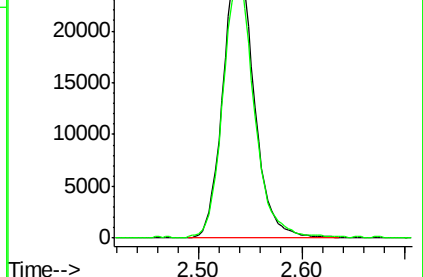
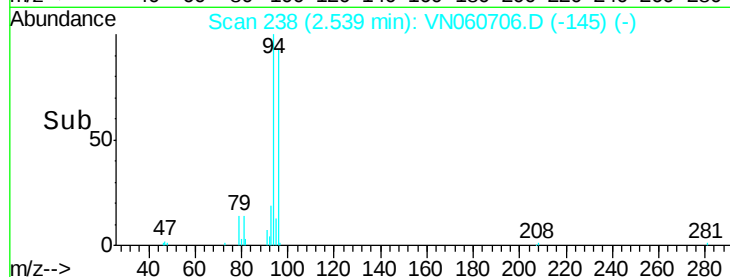


Abundance Ion 93.90 (93.60 to 94.60): VN060706.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060706.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 44.935 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060706.D

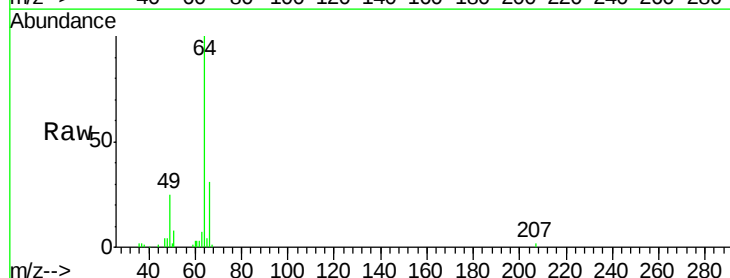
Acq: 26 Mar 2020 11:22

Tgt Ion: 64 Resp: 73545

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9

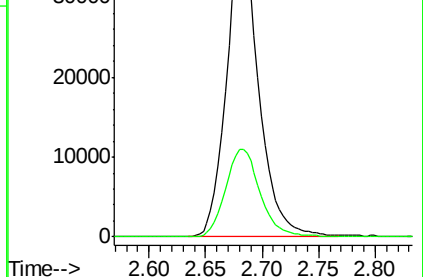
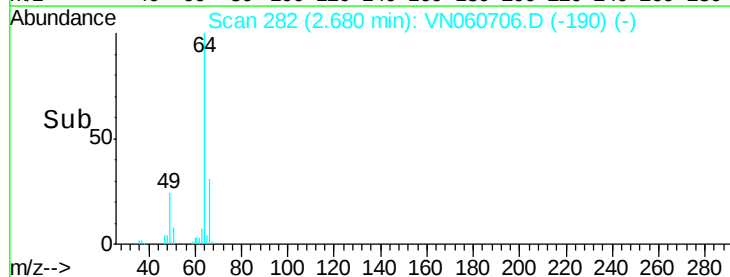


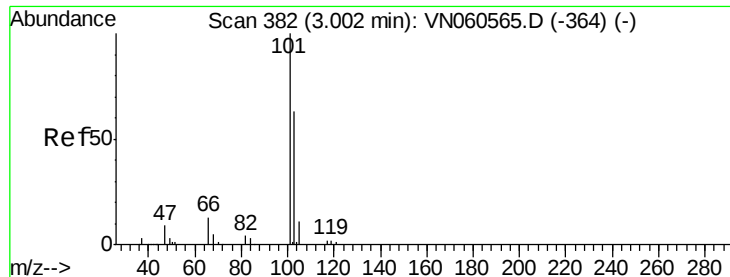
Abundance Ion 63.90 (63.60 to 64.60): VN060706.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060706.D (-190) (-)

2.68

Time-->





#7

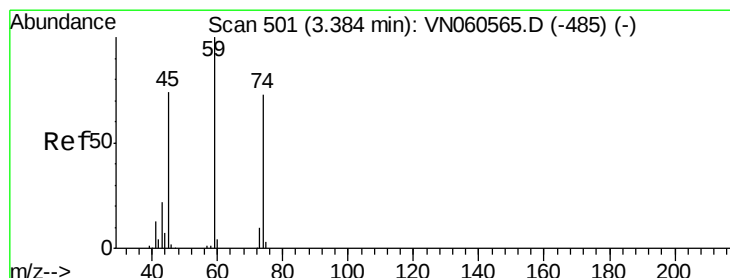
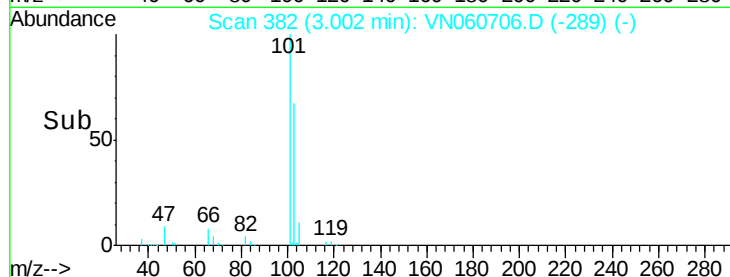
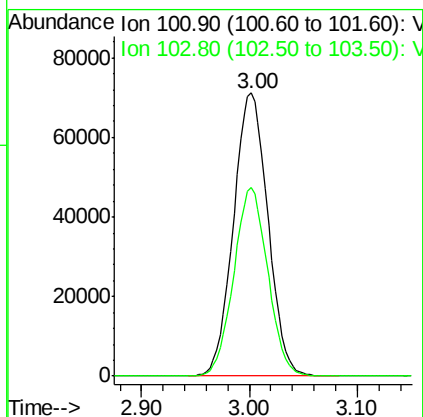
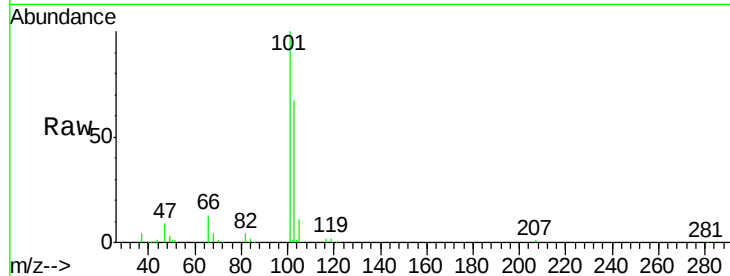
Trichlorofluoromethane
Concen: 45.251 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	50.6	76.0

Manual Integrations
APPROVED

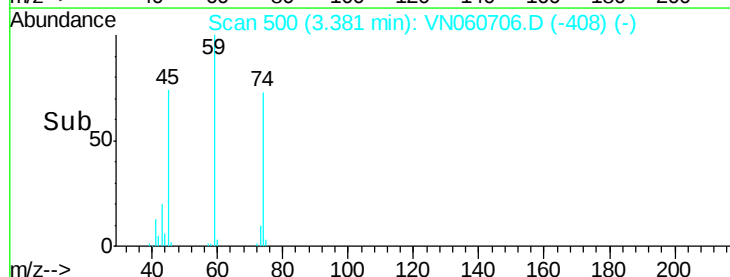
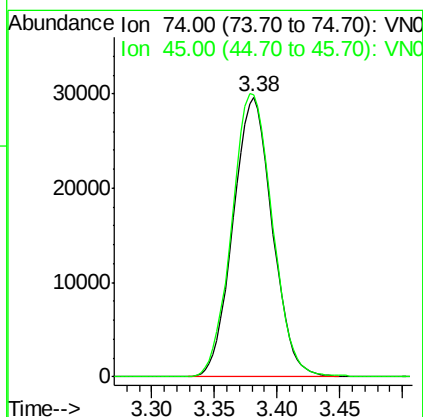
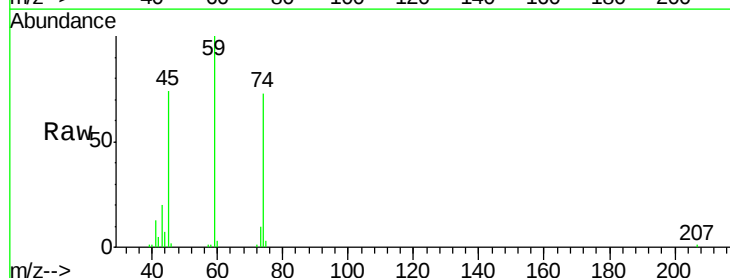
apatel
3/27/2020 10:11:08 AM



#8

Diethyl Ether
Concen: 45.862 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.578 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

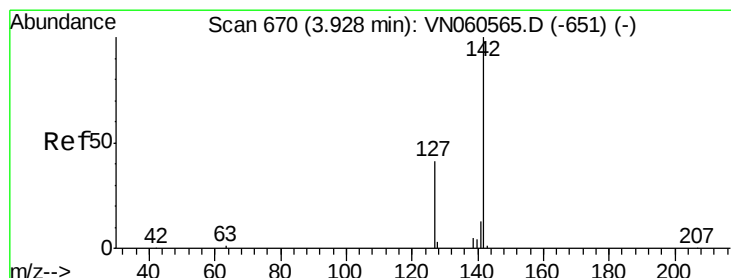
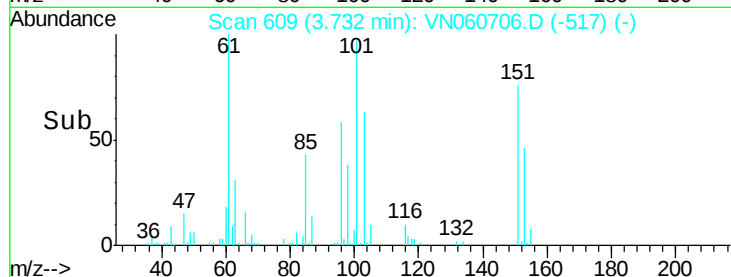
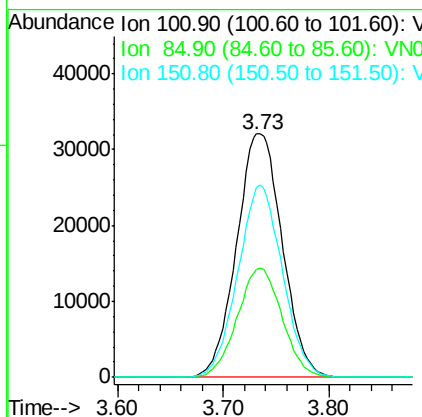
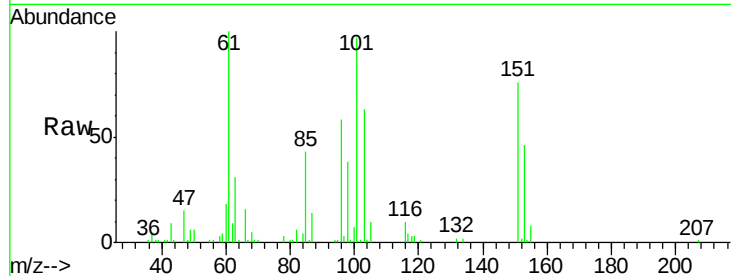
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	96492
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.6	53.4
151	76.9	61.4	92.2

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#10

Methyl Iodide

Concen: 46.674 ug/l

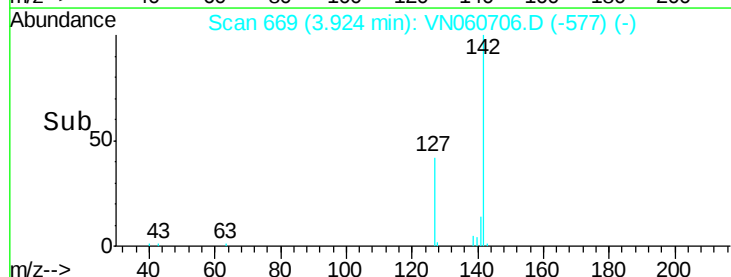
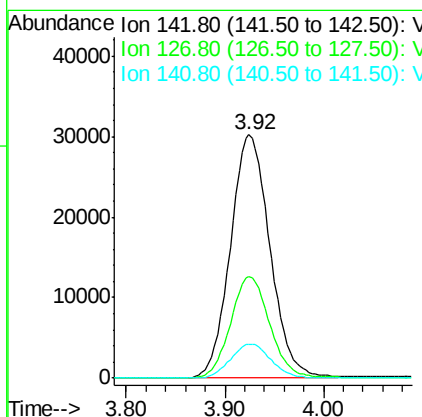
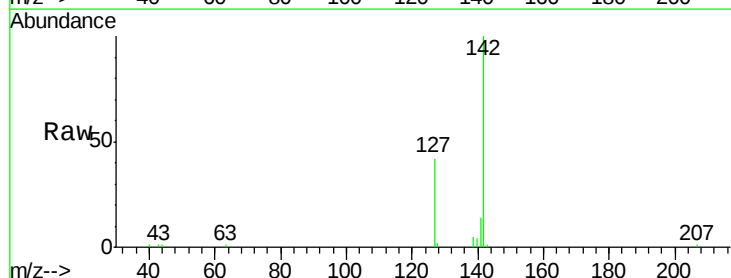
RT: 3.92 min Scan# 669

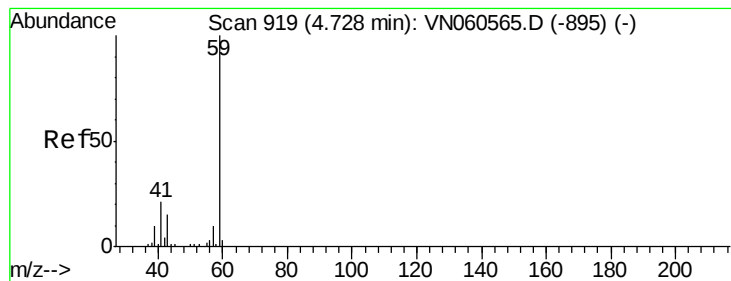
Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion:	142	Resp:	84230
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.5	50.3
141	14.1	11.0	16.6





#11

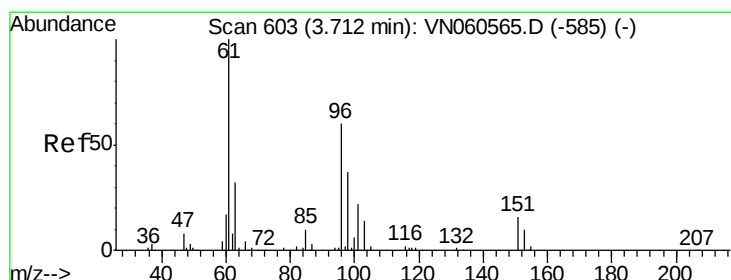
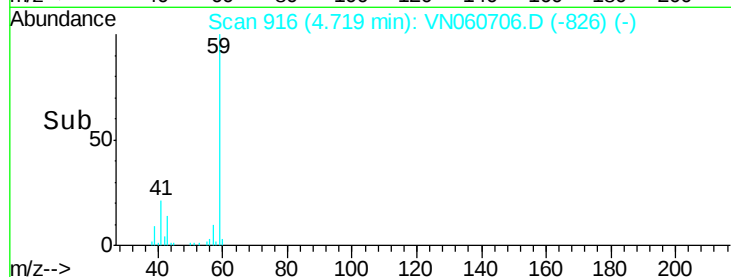
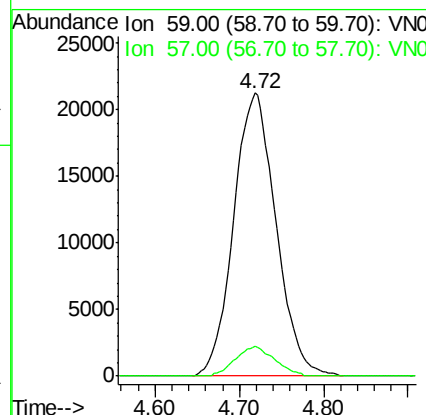
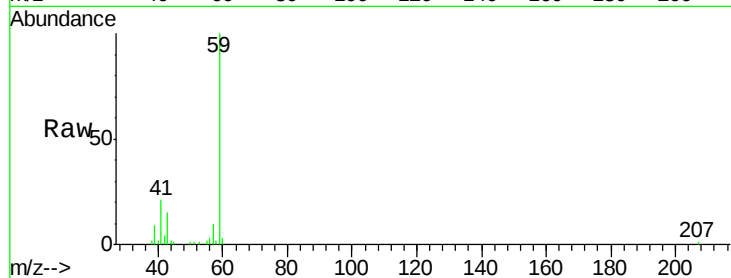
Tert butyl alcohol
 Concen: 182.586 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
 APPROVED

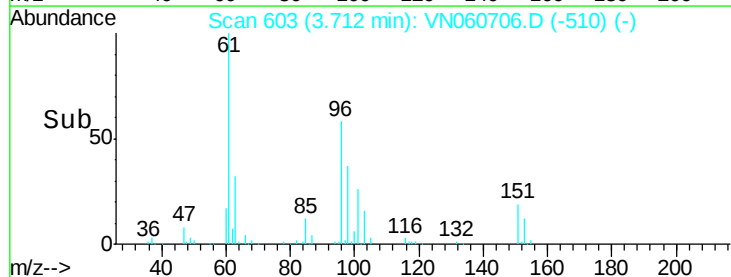
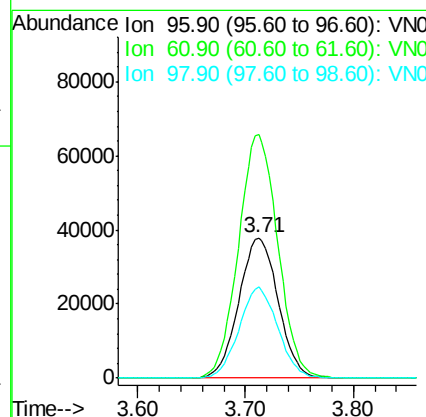
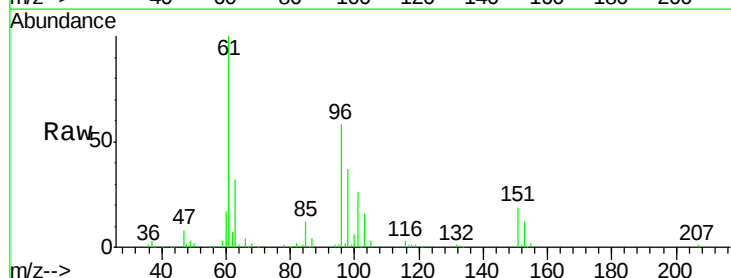
apatel
 3/27/2020 10:11:08 AM

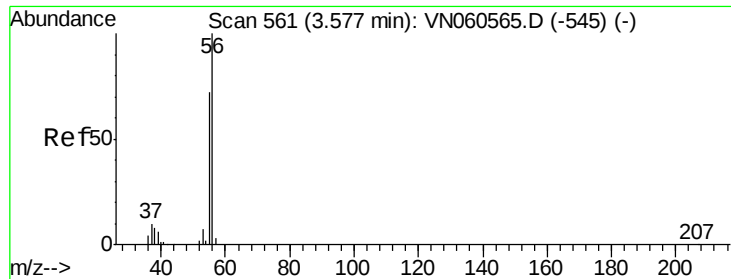


#12

1,1-Dichloroethene
 Concen: 44.128 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.7	134.1	201.1
98	64.7	49.9	74.9





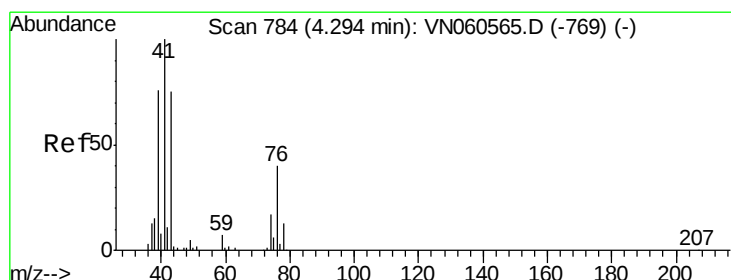
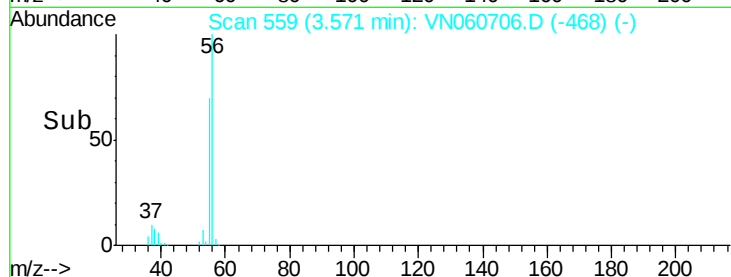
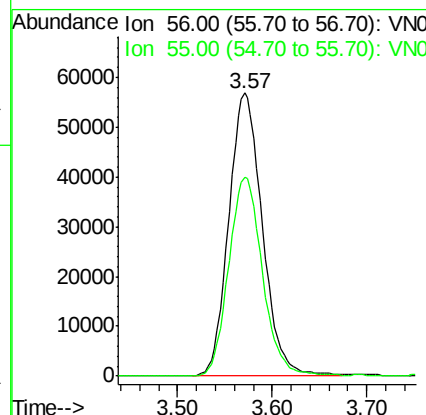
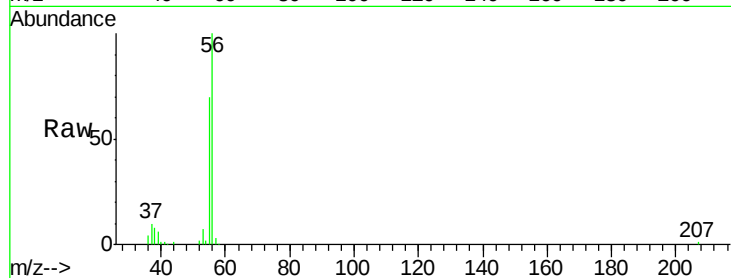
#13
Acrolein
Concen: 312.122 ug/l
RT: 3.57 min Scan# 559
Delta R.T. -0.01 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	140386
Ion Ratio	Lower	Upper	
56	100		
55	70.9	56.7	85.1

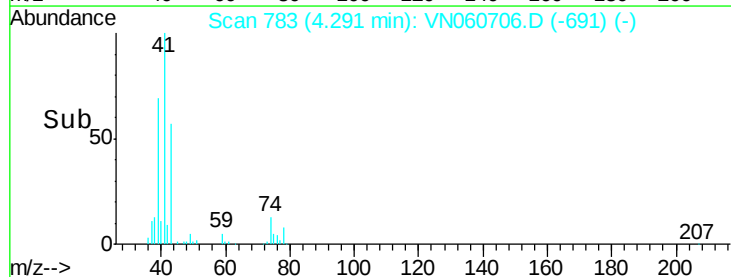
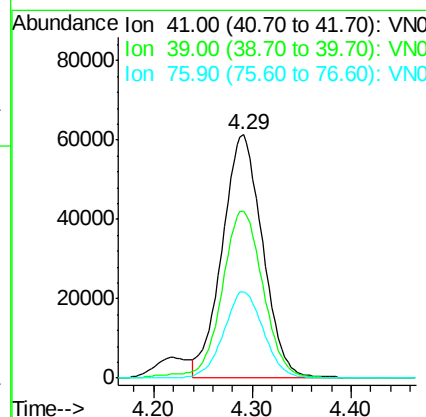
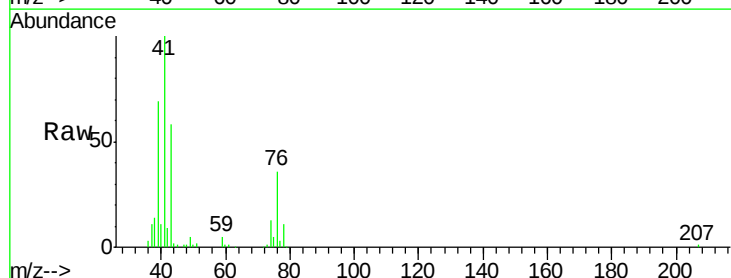
Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#14
Allyl chloride
Concen: 45.543 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	41	Resp	174327
Ion Ratio	Lower	Upper	
41	100		
39	70.7	57.8	86.8
76	35.1	28.6	43.0





#15

Acrylonitrile

Concen: 214.036 ug/l

RT: 4.93 min Scan# 983

Delta R.T. -0.01 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

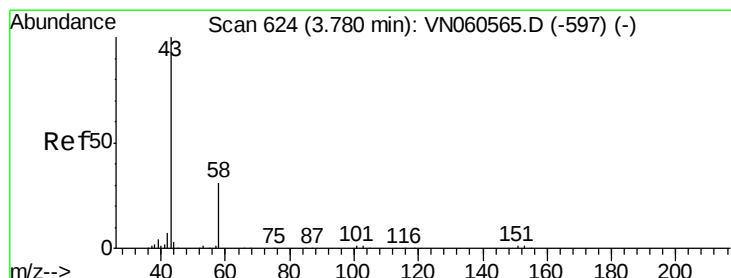
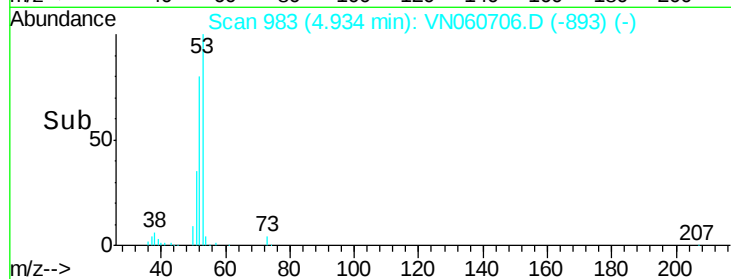
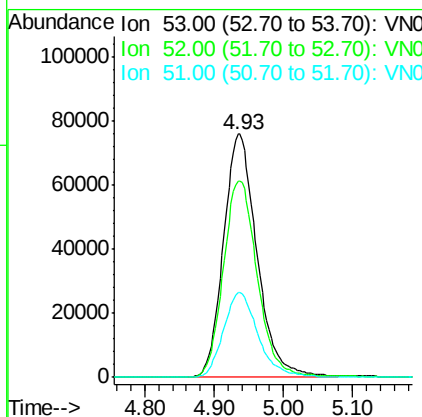
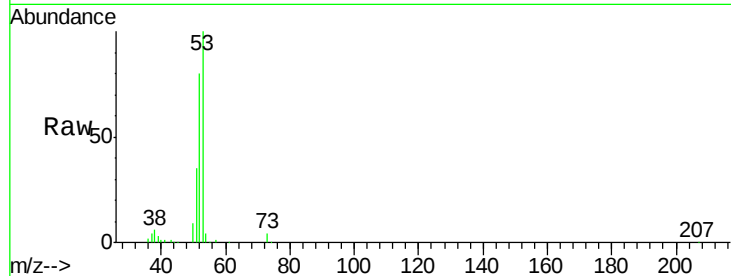
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	255426
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.2	99.4
51	36.0	28.7	43.1

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#16

Acetone

Concen: 275.839 ug/l

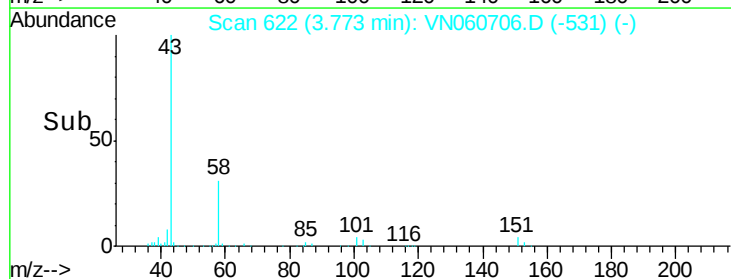
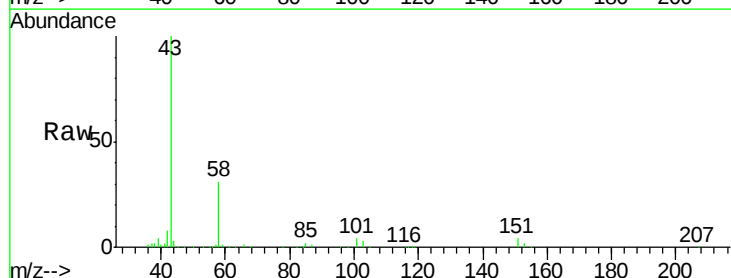
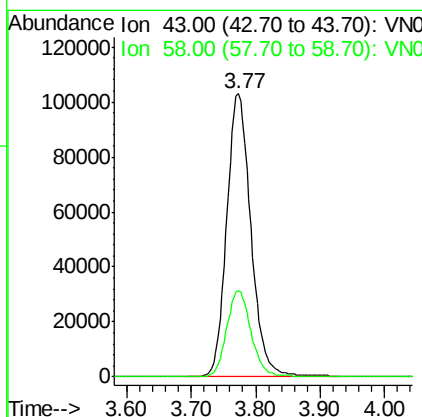
RT: 3.77 min Scan# 622

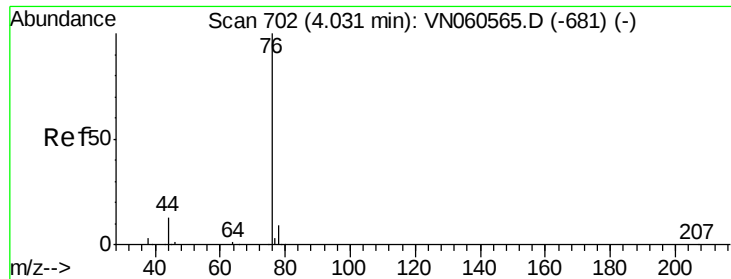
Delta R.T. -0.01 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion:	43	Resp:	269621
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.1	37.7





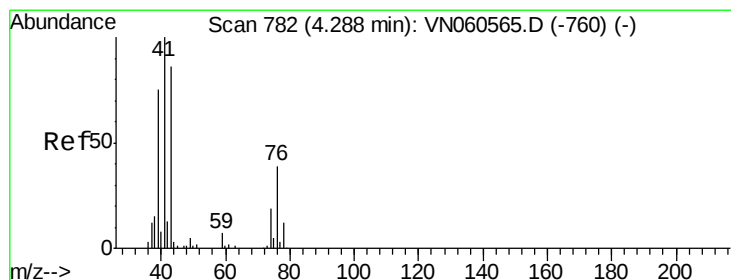
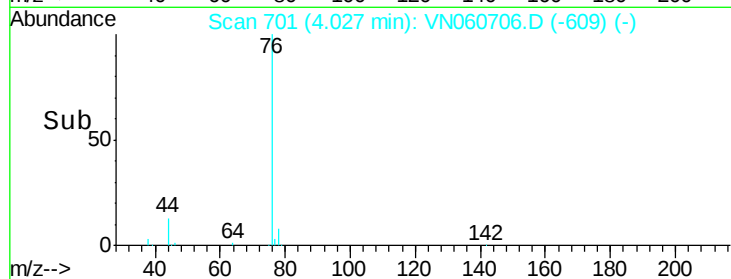
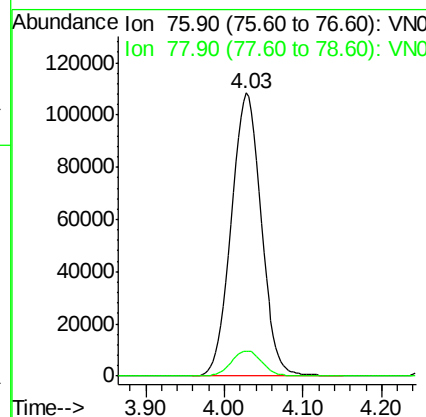
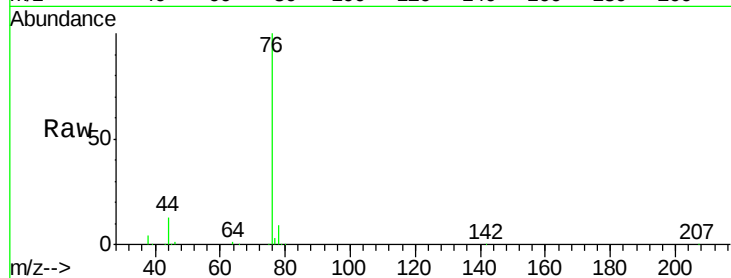
#17
Carbon Disulfide
Concen: 43.464 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

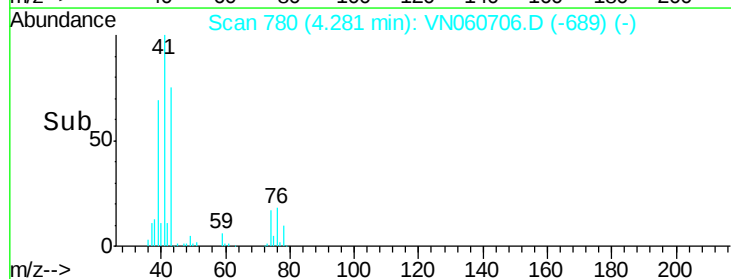
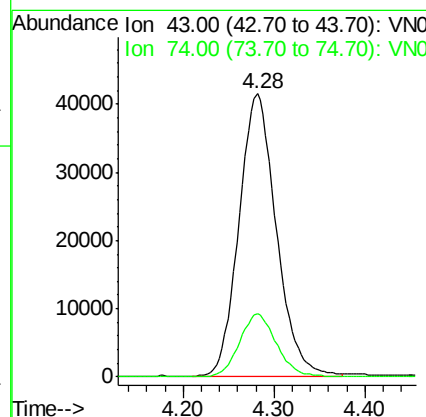
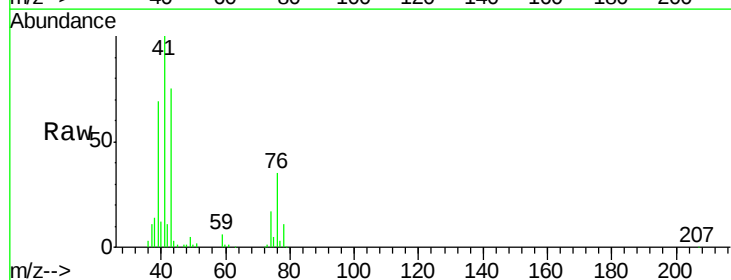
Manual Integrations
APPROVED

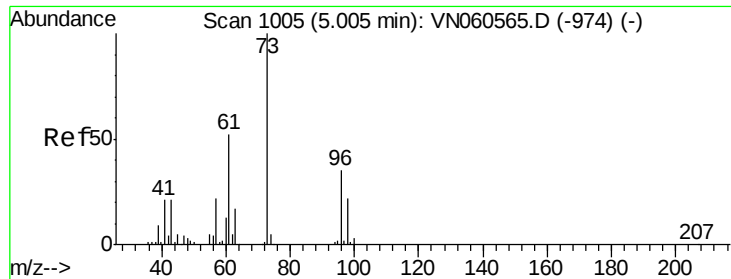
apatel
3/27/2020 10:11:08 AM



#18
Methyl Acetate
Concen: 43.254 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.5	26.3





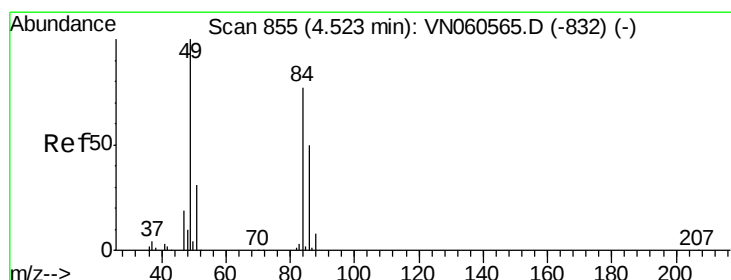
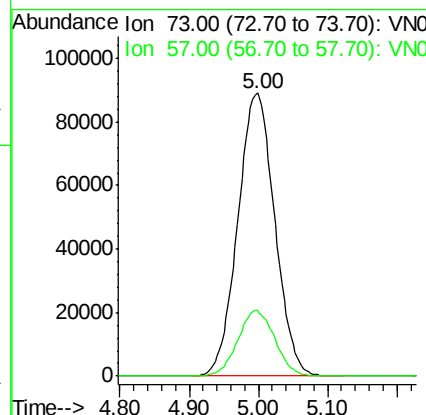
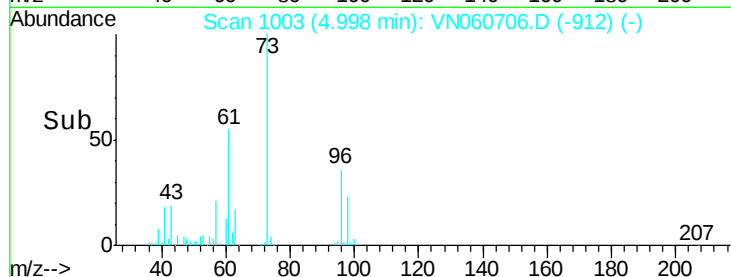
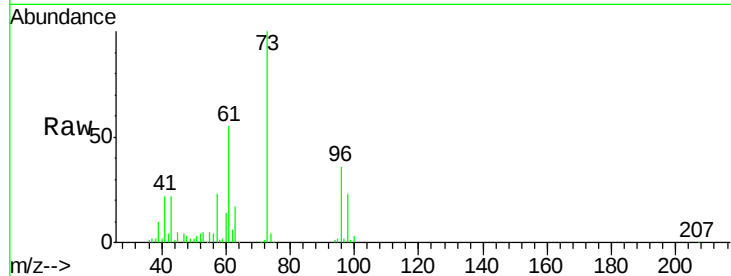
#19
Methvl tert-butvl Ether
Concen: 44.217 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 330854
Ion Ratio Lower Upper
73 100
57 23.2 17.5 26.3

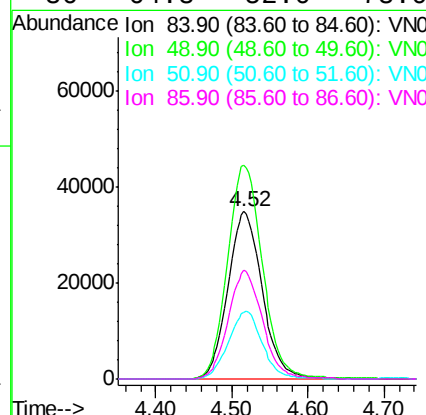
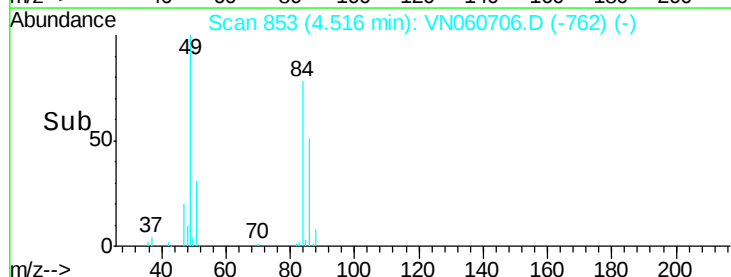
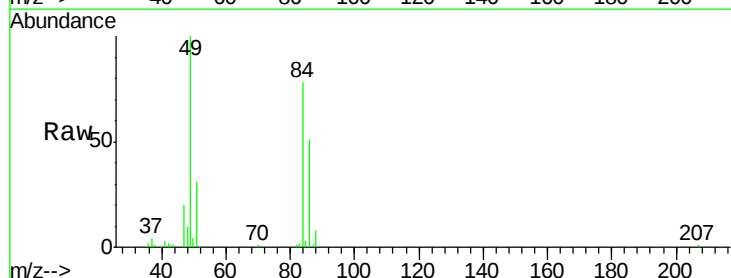
Manual Integrations
APPROVED

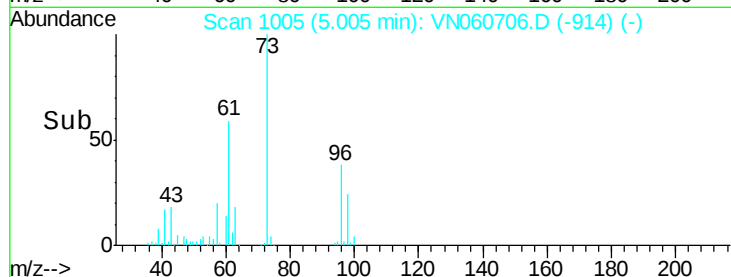
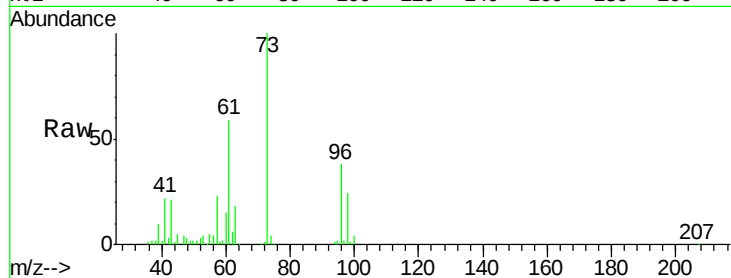
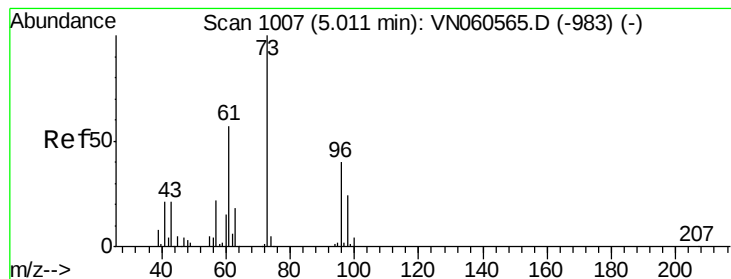
apatel
3/27/2020 10:11:08 AM



#20
Methylene Chloride
Concen: 45.670 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion: 84 Resp: 109813
Ion Ratio Lower Upper
84 100
49 127.5 103.3 154.9
51 40.1 31.6 47.4
86 64.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 45.059 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060706.D

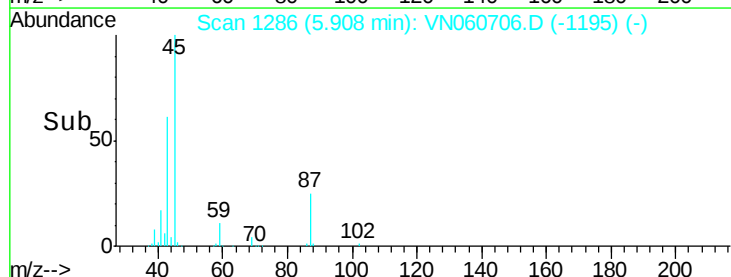
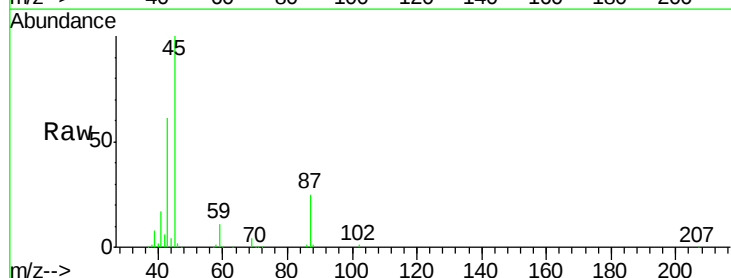
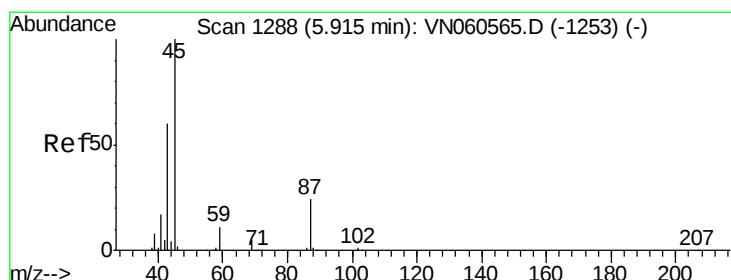
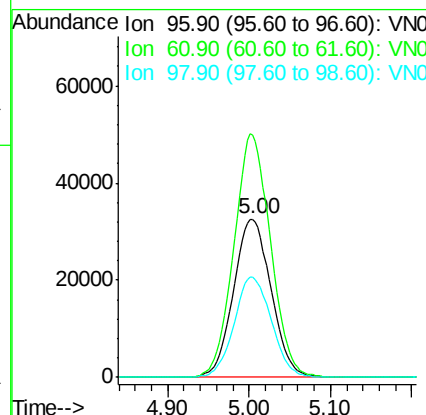
Acq: 26 Mar 2020 11:22

Tot Ion:	96	Resp:	104515
Ion Ratio	Lower	Upper	
96	100		
61	153.3	114.4	171.6
98	63.3	48.4	72.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#22

Diisopropyl ether

Concen: 47.114 ug/l

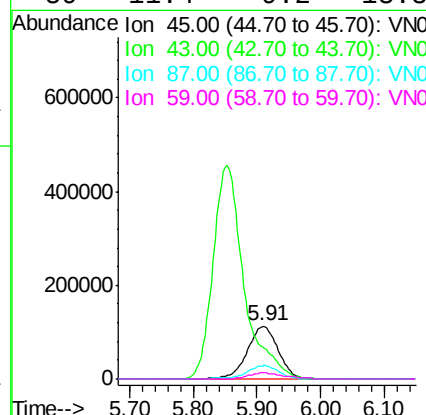
RT: 5.91 min Scan# 1286

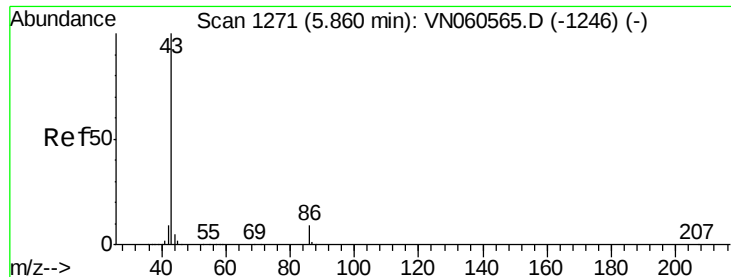
Delta R.T. -0.01 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion:	45	Resp:	381005
Ion Ratio	Lower	Upper	
45	100		
43	60.7	49.8	74.8
87	25.3	20.1	30.1
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 233.431 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1540218

Ion Ratio Lower Upper

43 100

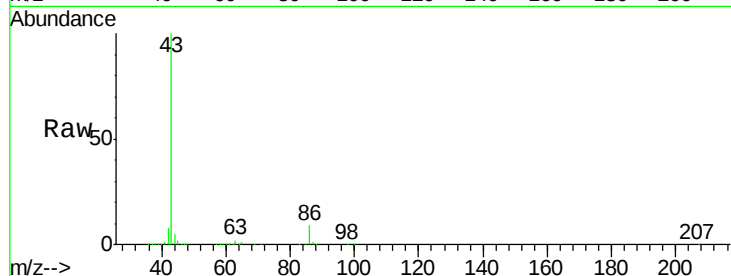
86 9.1 7.6 11.4

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

400000

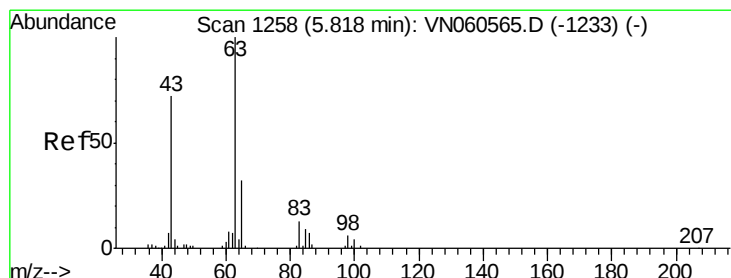
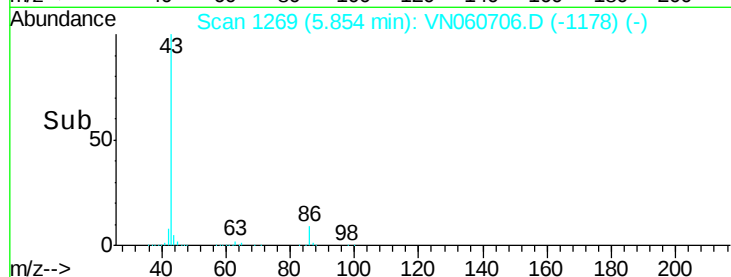
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.311 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

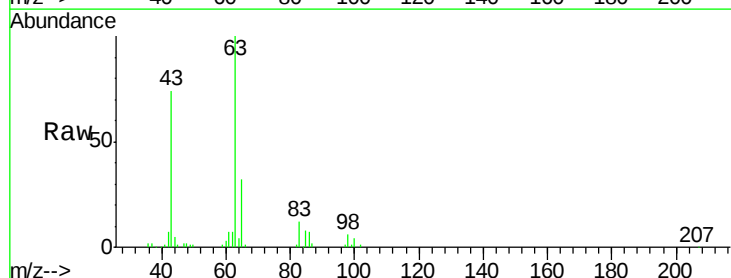
Tgt Ion: 63 Resp: 204164

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

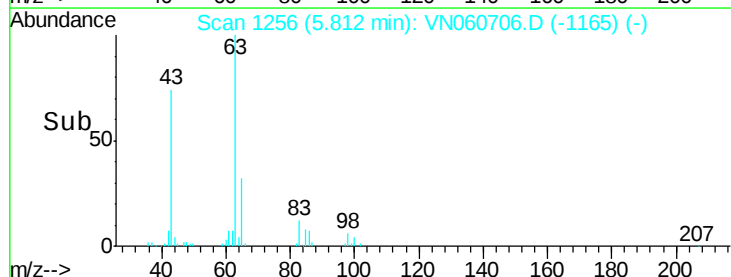
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 223.648 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 353744

Ion Ratio Lower Upper

43 100

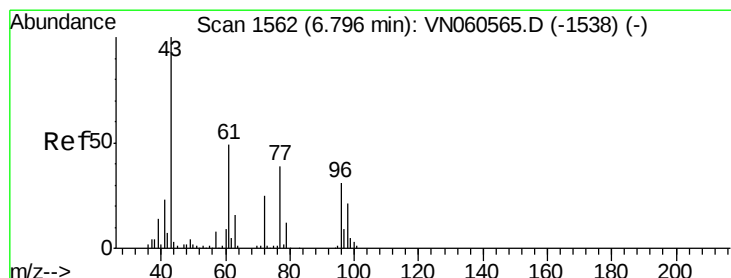
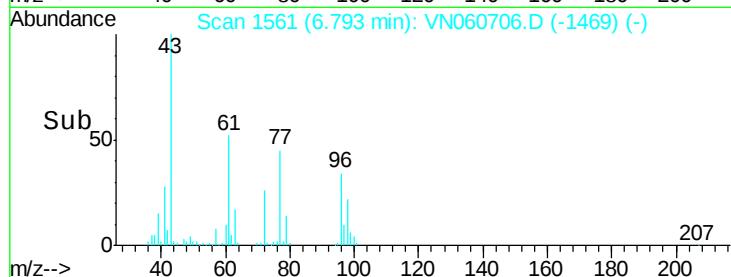
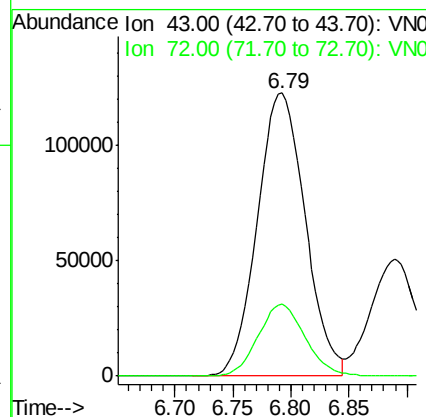
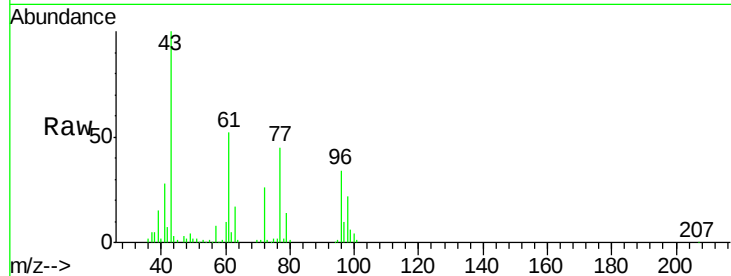
72 25.5 20.4 30.6

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM



#26

2,2-Dichloropropane

Concen: 51.175 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060706.D

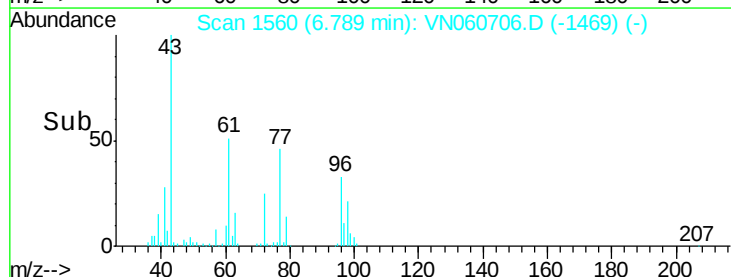
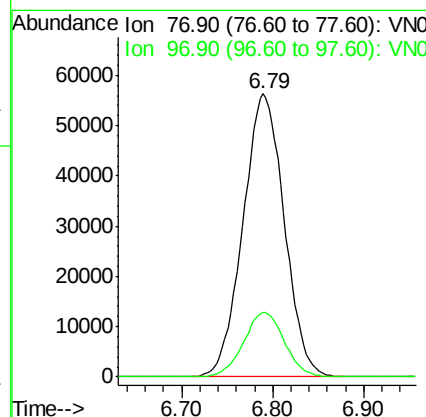
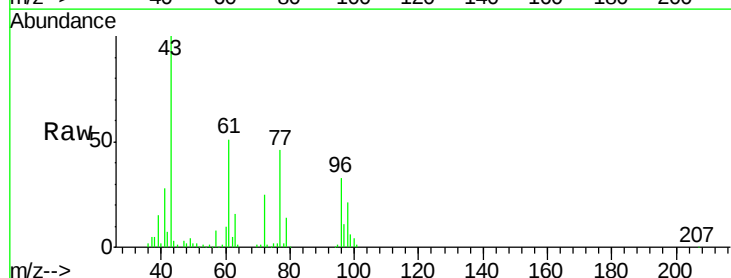
Acq: 26 Mar 2020 11:22

Tgt Ion: 77 Resp: 177503

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 46.121 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

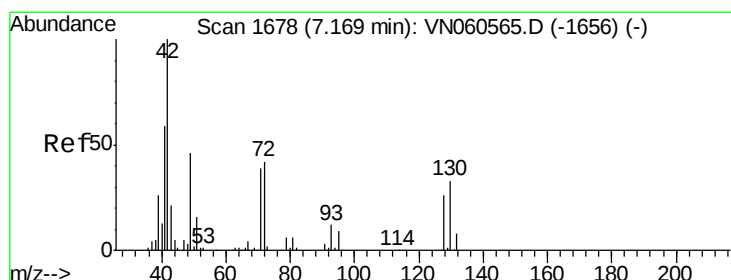
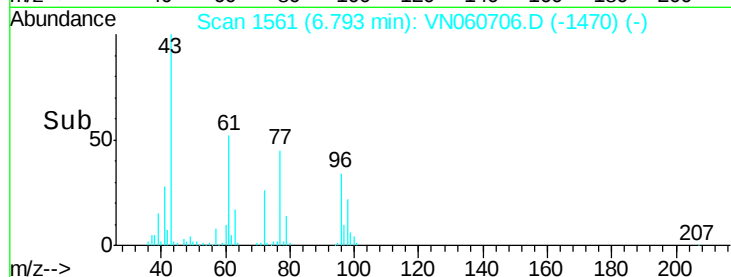
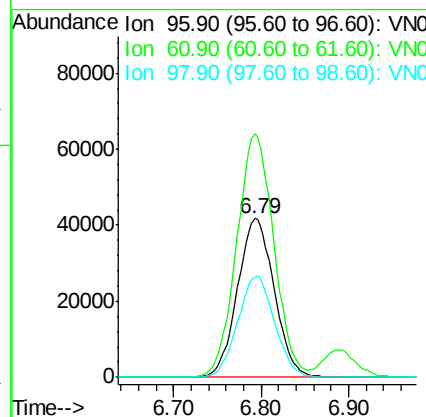
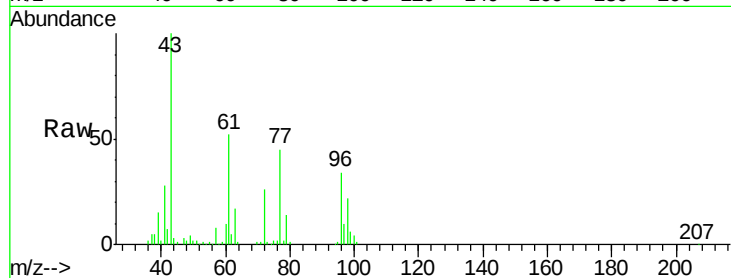
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	121569
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	305.6
98	63.9	0.0	127.6

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#28

Bromochloromethane

Concen: 52.500 ug/l

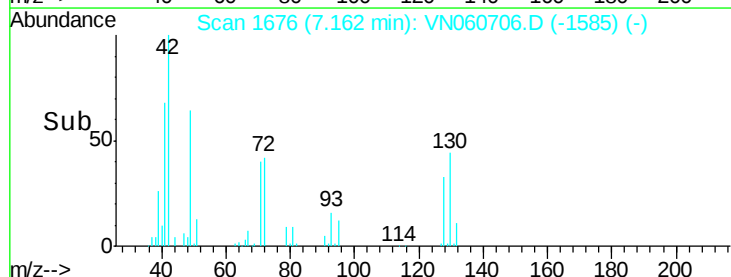
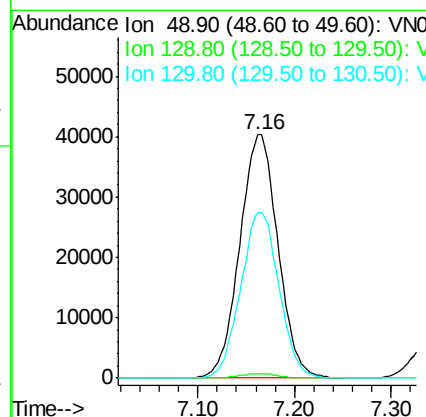
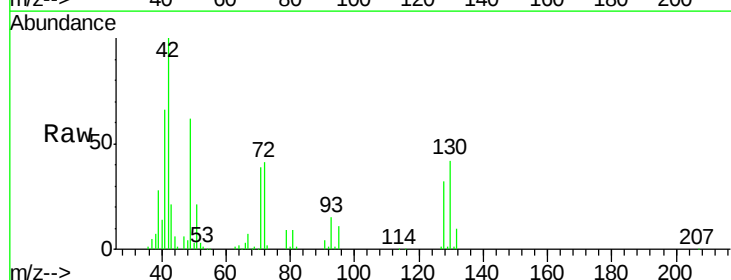
RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion:	49	Resp:	110734
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.2	55.0	82.4





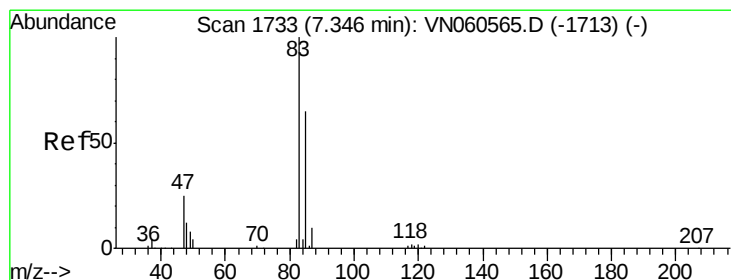
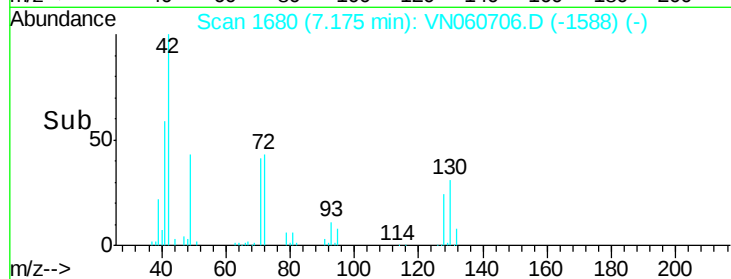
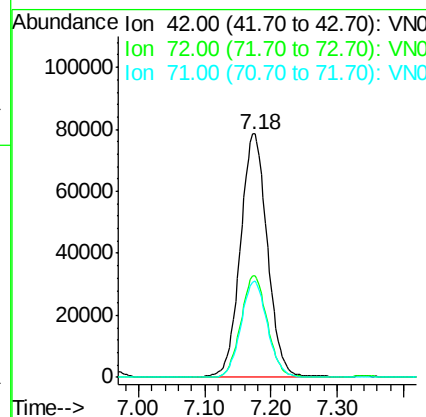
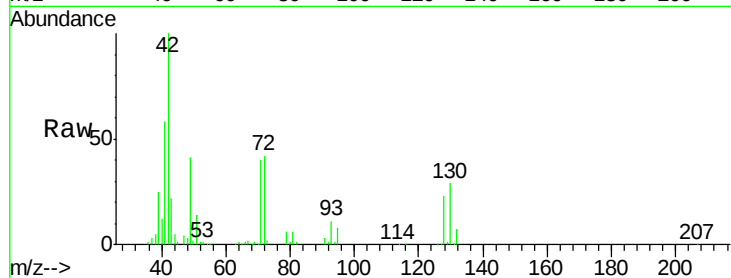
#29
Tetrahydrofuran
Concen: 198.614 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.2	49.8
71	38.6	31.1	46.7

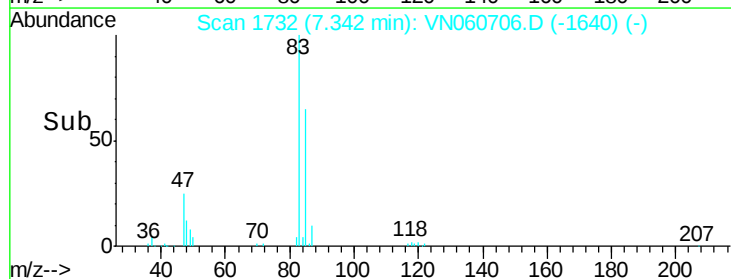
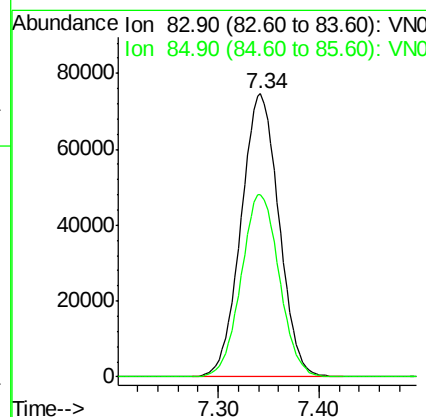
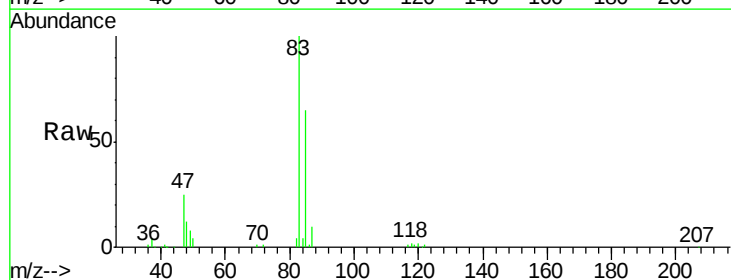
Manual Integrations
APPROVED

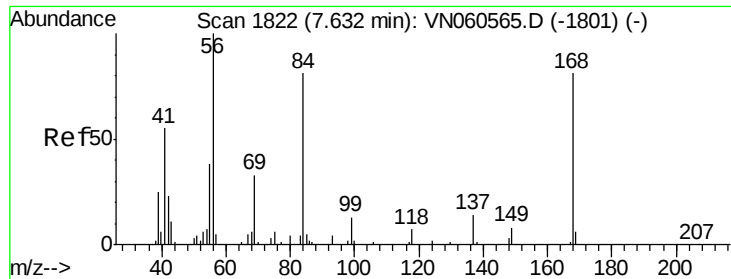
apatel
3/27/2020 10:11:08 AM



#30
Chloroform
Concen: 45.988 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





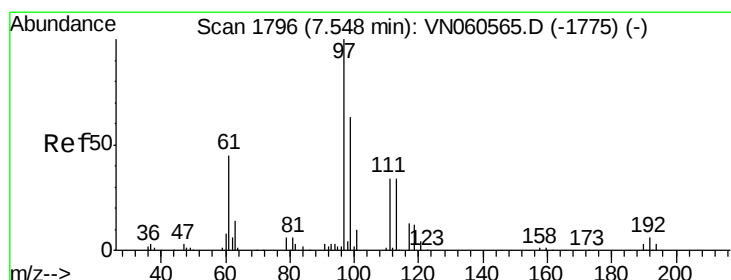
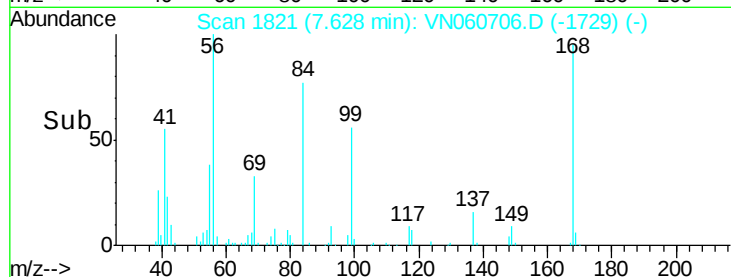
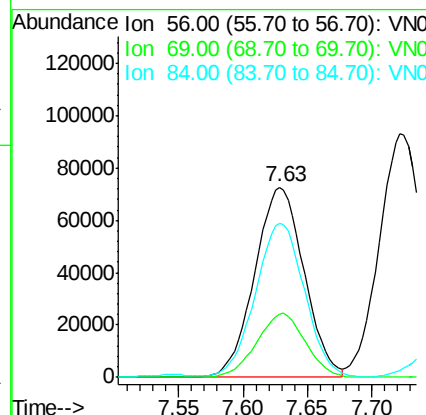
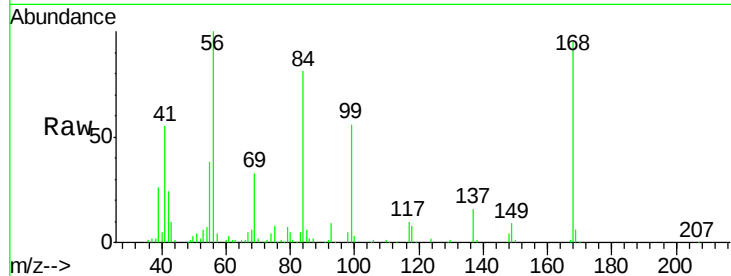
#31
Cyclohexane
Concen: 43.558 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.6	40.0
84	80.1	64.3	96.5

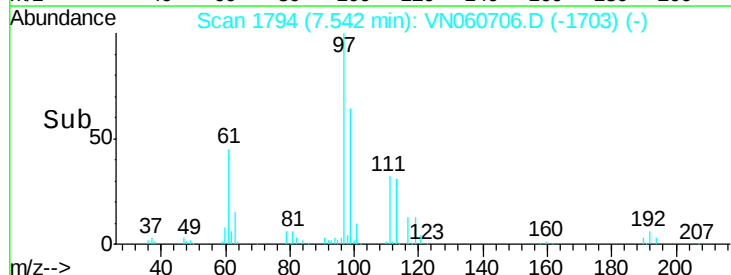
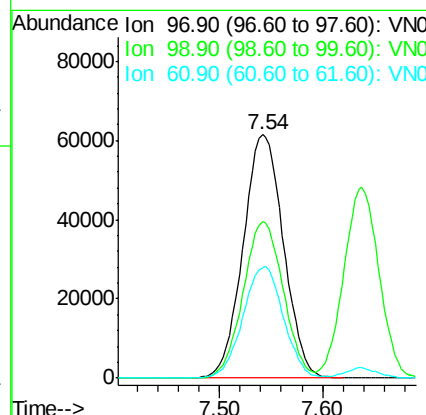
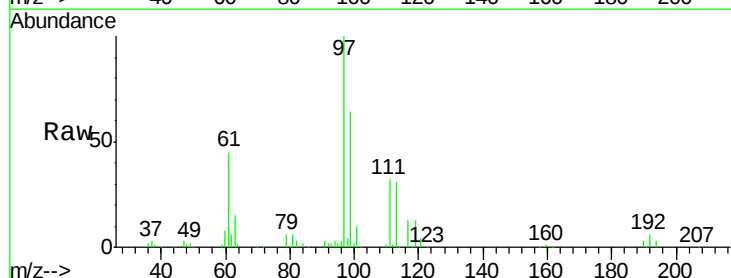
Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#32
1,1,1-Trichloroethane
Concen: 45.882 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	75.8
61	45.9	36.2	54.4





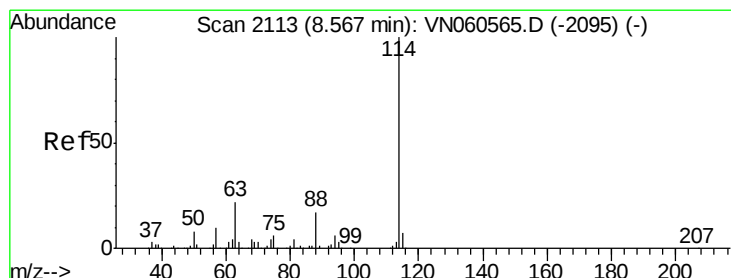
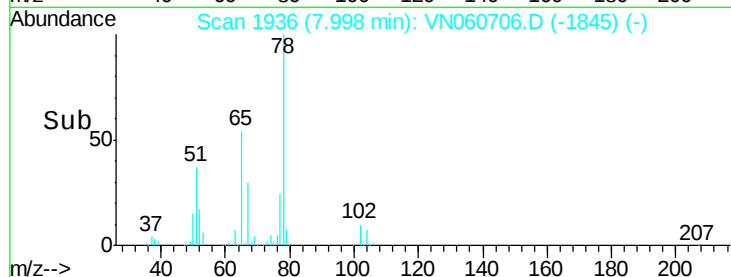
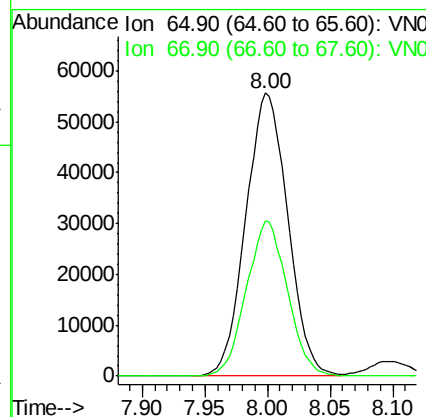
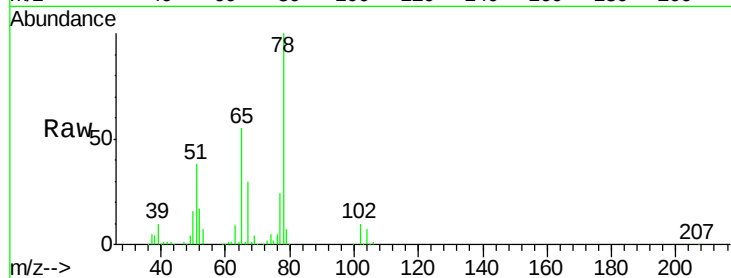
#33
 1,2-Dichloroethane-d4
 Concen: 47.098 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129964		
67	53.4	0.0	107.6	

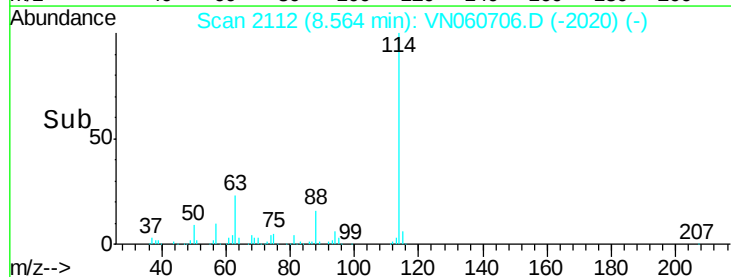
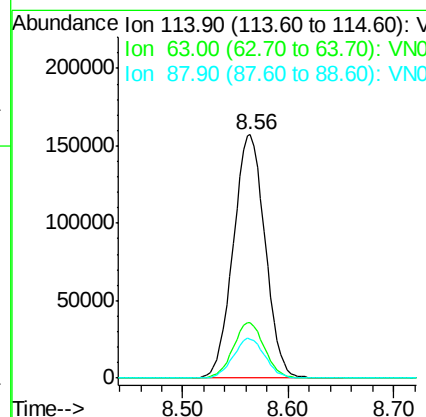
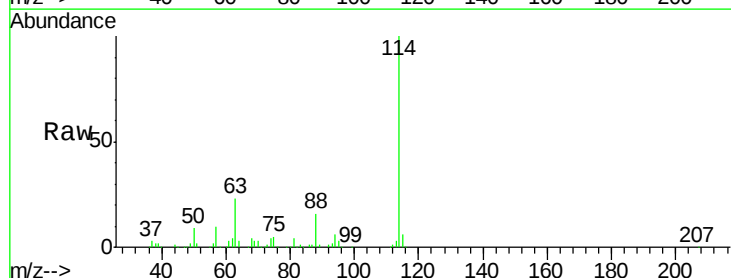
Manual Integrations
 APPROVED

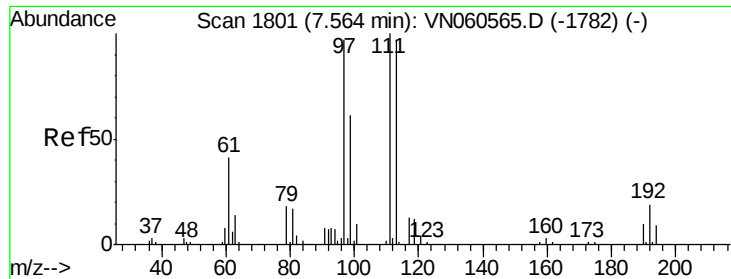
apatel
 3/27/2020 10:11:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	327992		
63	22.5	0.0	43.8	
88	16.2	0.0	33.0	





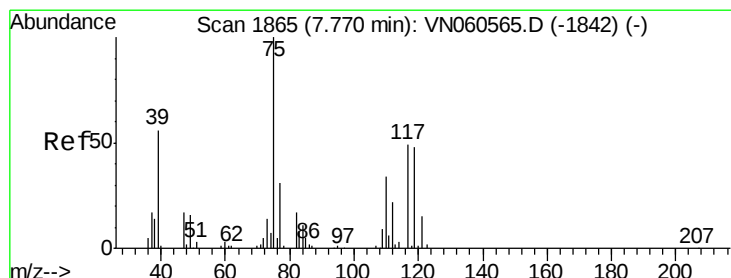
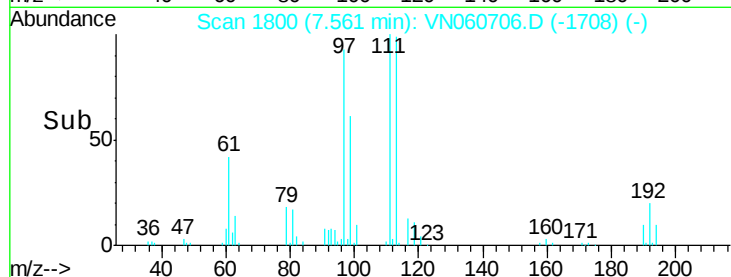
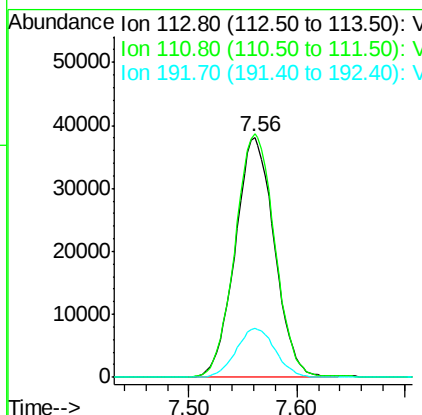
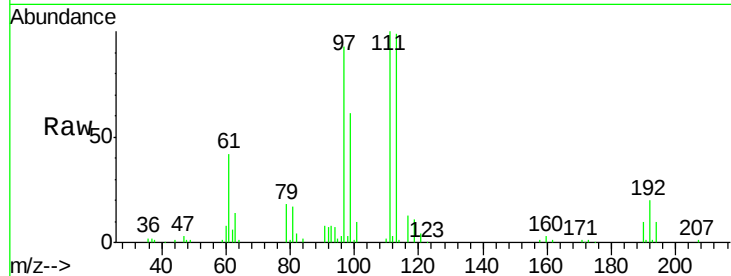
#35
 Dibromofluoromethane
 Concen: 48.676 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	96537		
111	102.3		82.9	124.3
192	20.3		15.8	23.8

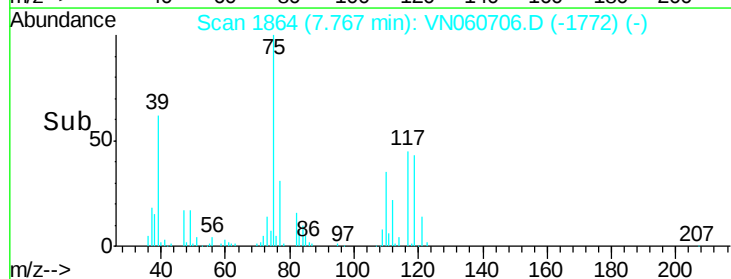
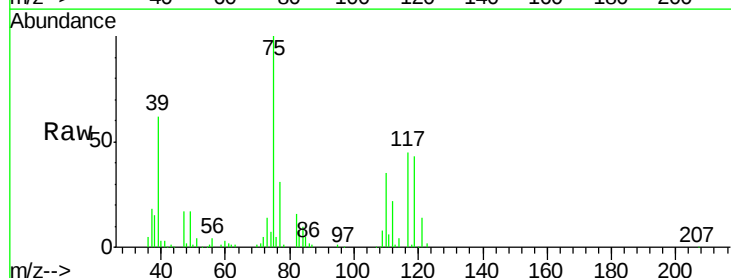
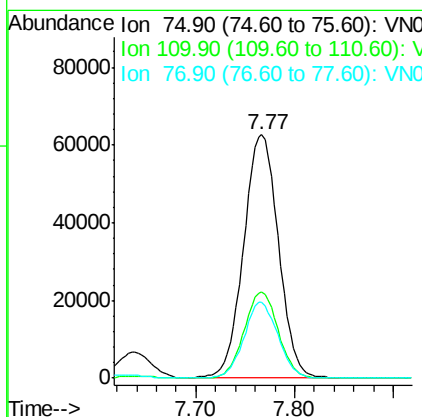
Manual Integrations
 APPROVED

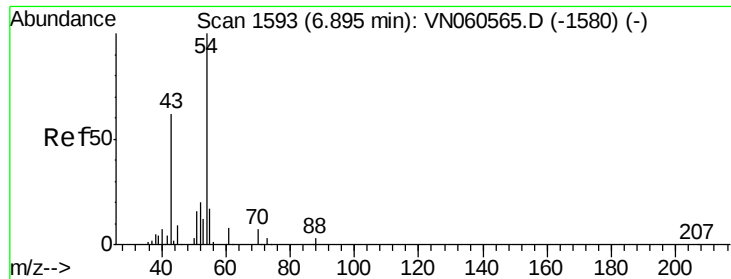
apatel
 3/27/2020 10:11:08 AM



#36
 1,1-Dichloropropene
 Concen: 48.206 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153102		
110	34.4		16.9	50.6
77	30.4		24.6	36.8





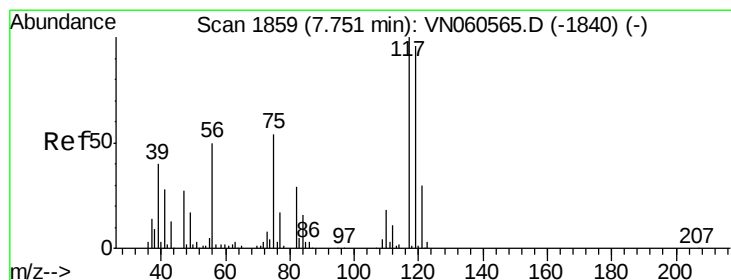
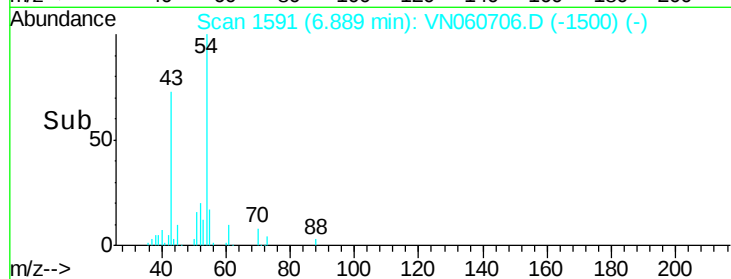
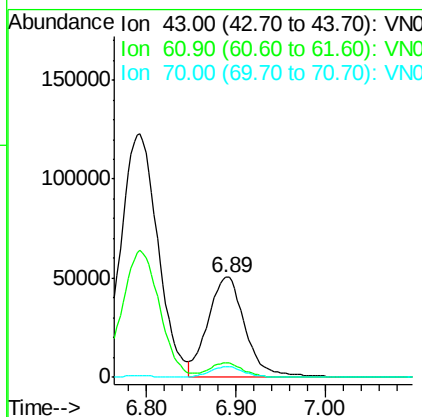
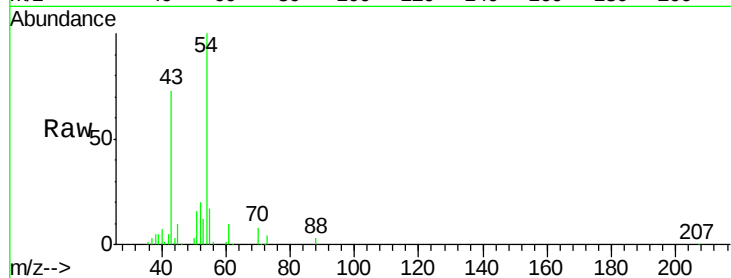
#37
Ethyl Acetate
Concen: 42.202 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.6	15.8
70	10.0	7.9	11.9

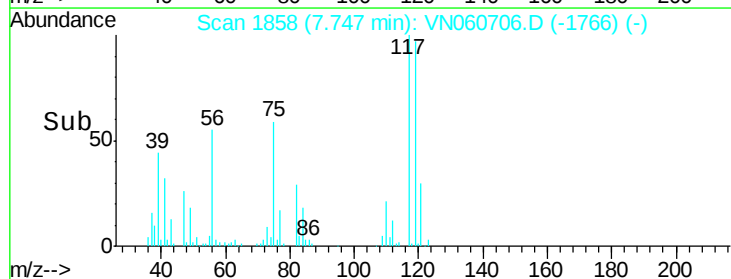
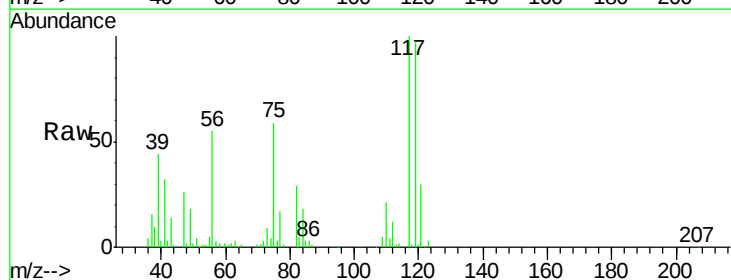
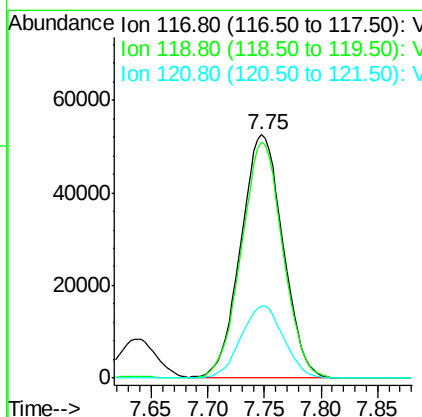
Manual Integrations
APPROVED

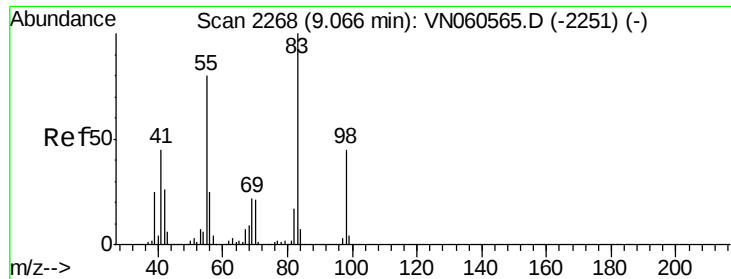
apatel
3/27/2020 10:11:08 AM



#38
Carbon Tetrachloride
Concen: 47.858 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.2
121	29.8	23.7	35.5





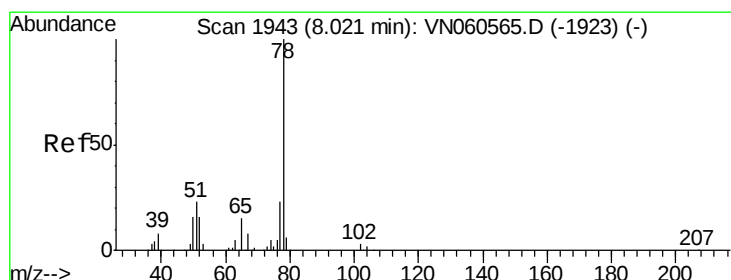
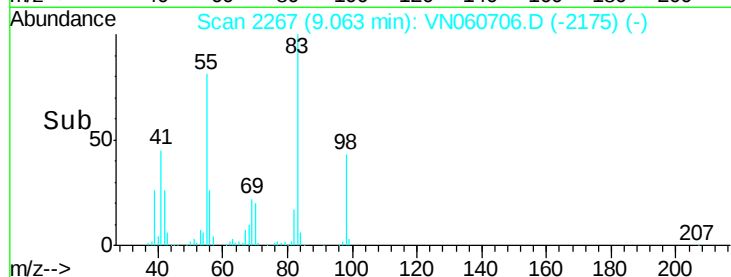
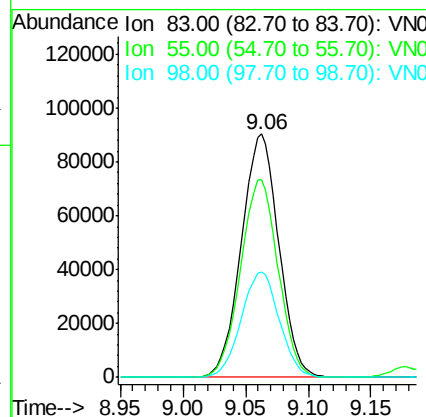
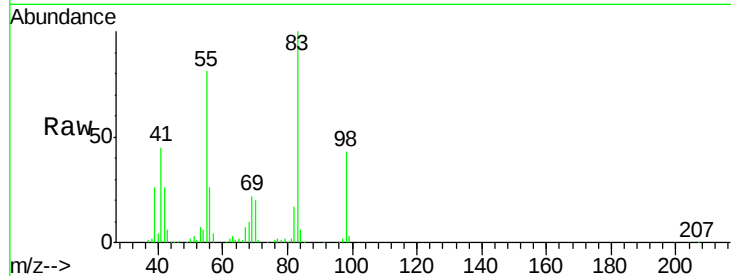
#39
Methvlcvclohexane
Concen: 49.677 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	63.6	95.4
98	43.4	36.0	54.0

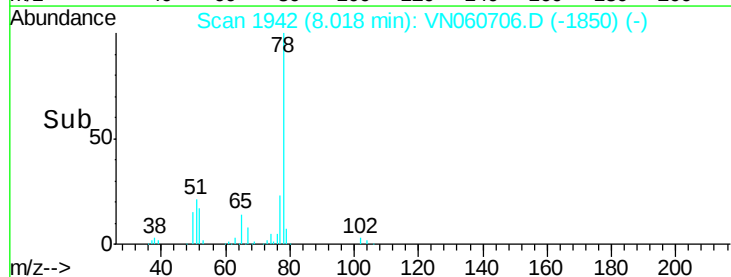
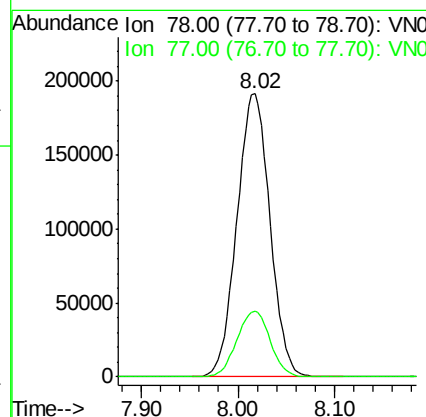
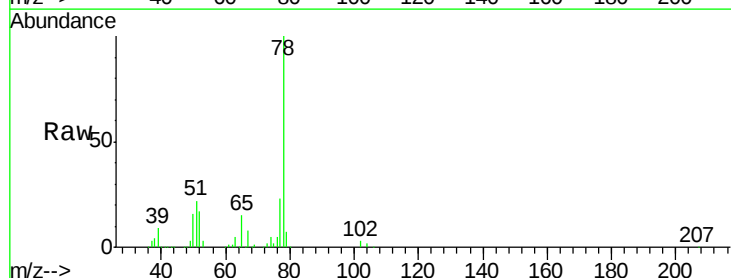
Manual Integrations
APPROVED

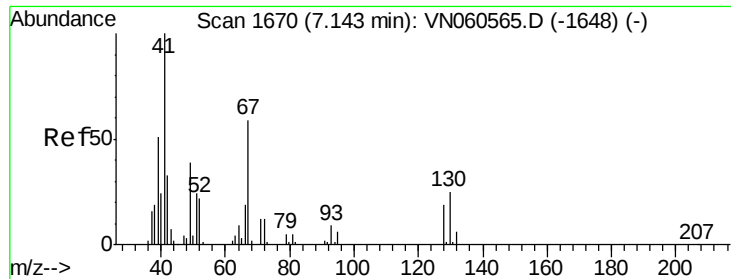
apatel
3/27/2020 10:11:08 AM



#40
Benzene
Concen: 47.422 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





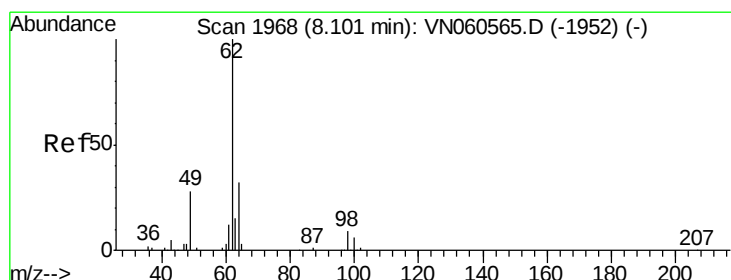
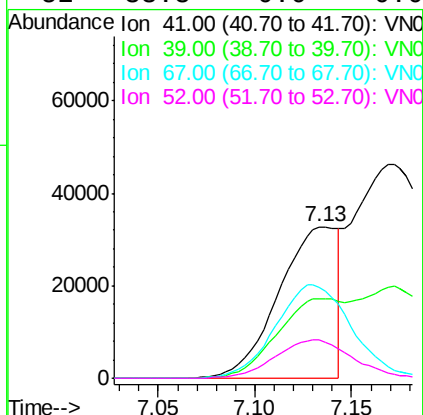
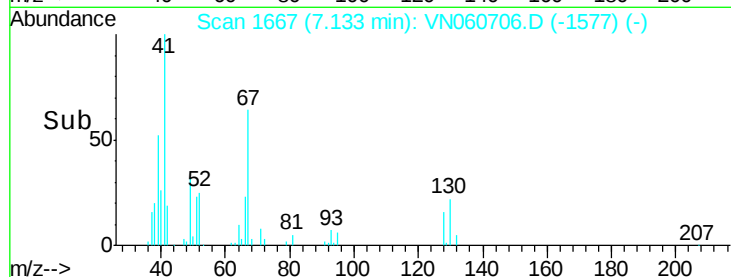
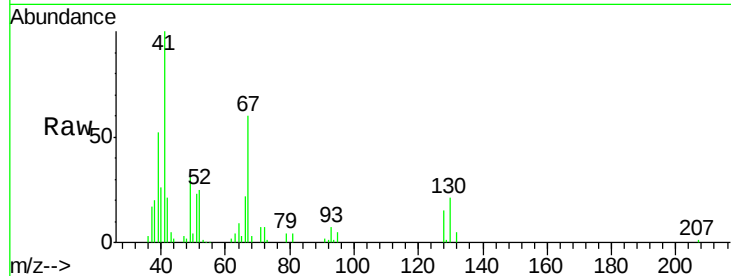
#41
Methacrylonitrile
Concen: 47.280 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	69245
Ion Ratio	Lower	Upper	
41	100		
39	58.2	0.0	0.0#
67	80.3	0.0	0.0#
52	33.8	0.0	0.0#

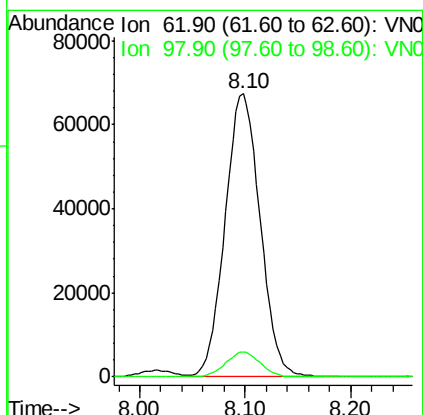
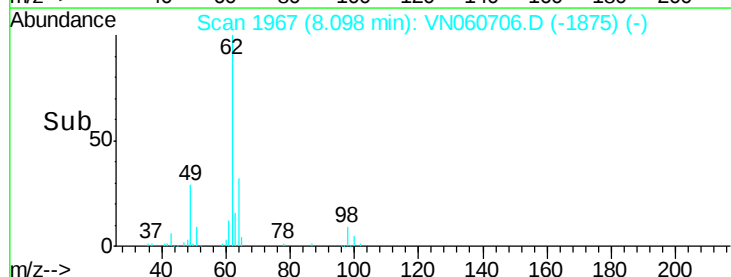
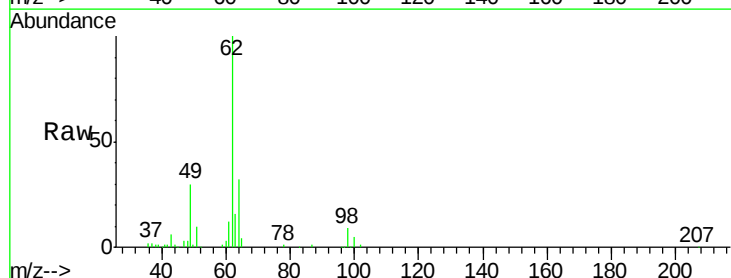
Manual Integrations
APPROVED

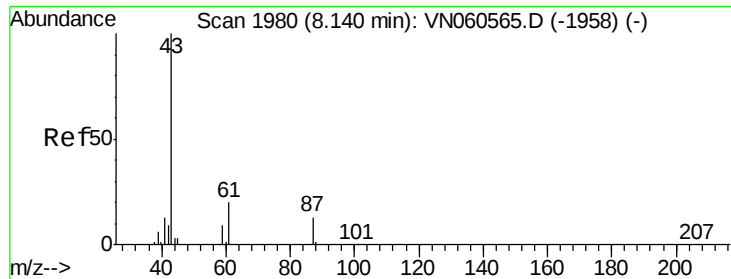
apatel
3/27/2020 10:11:08 AM



#42
1,2-Dichloroethane
Concen: 47.405 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	62	Resp	155326
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.8





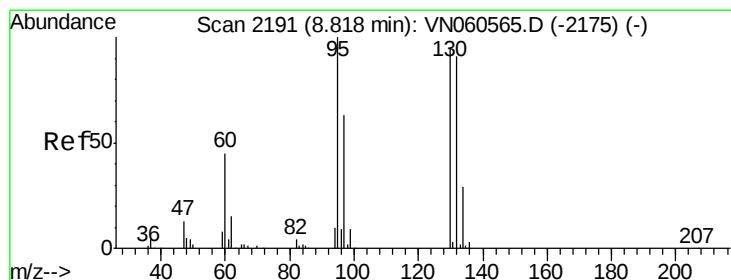
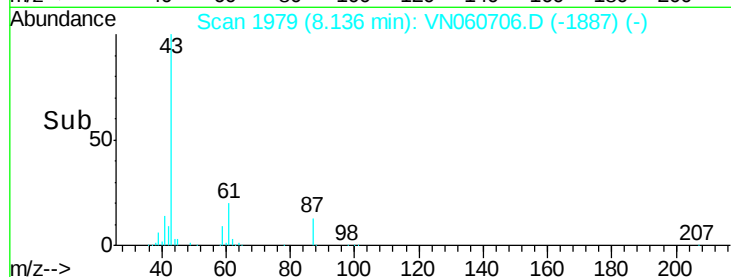
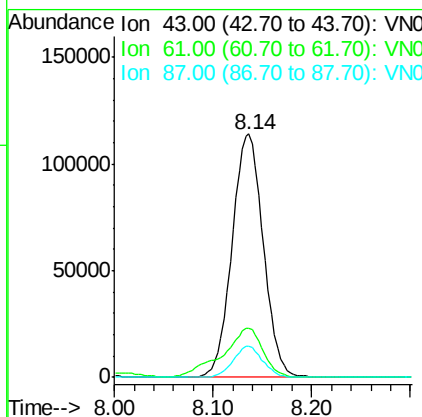
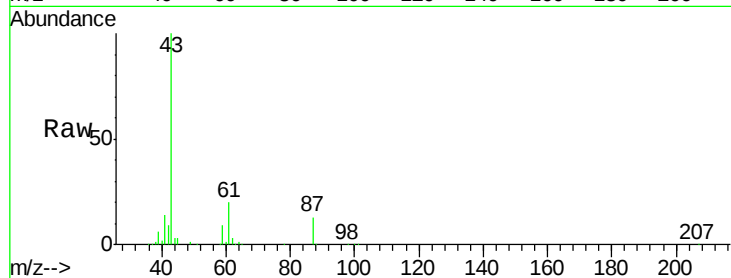
#43
Isopropyl Acetate
Concen: 44.389 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

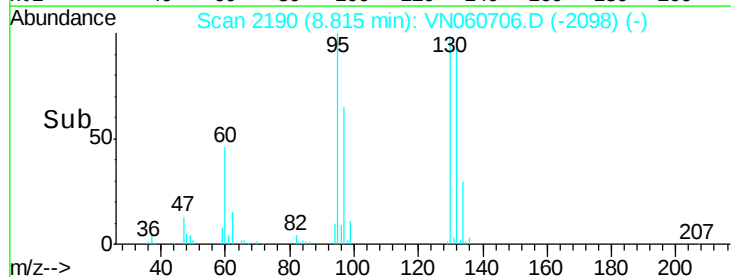
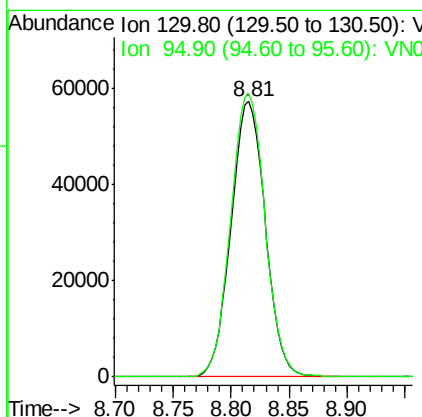
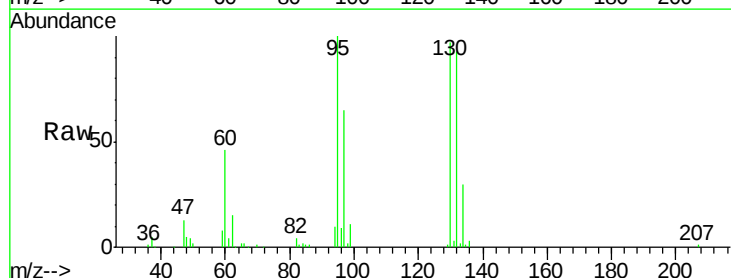
Manual Integrations
APPROVED

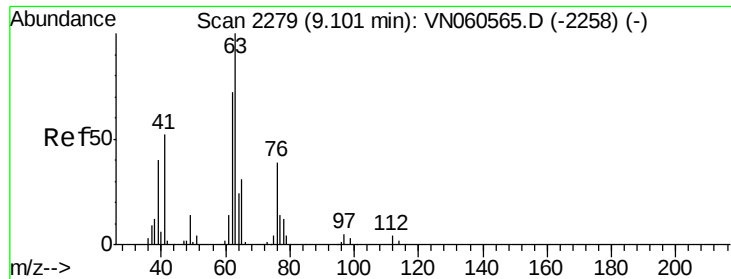
apatel
3/27/2020 10:11:08 AM



#44
Trichloroethene
Concen: 48.605 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	211.2





#45

1,2-Dichloropropane

Concen: 48.460 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 122595

Ion Ratio Lower Upper

63 100

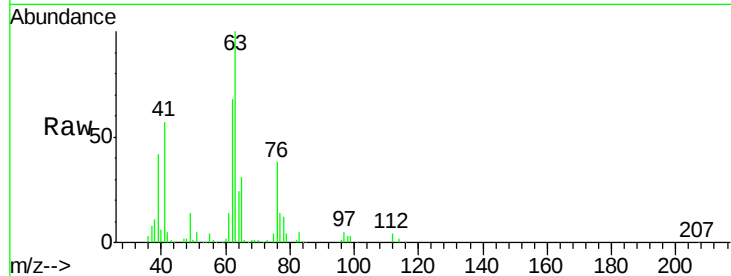
65 30.7 25.4 38.0

Manual Integrations

APPROVED

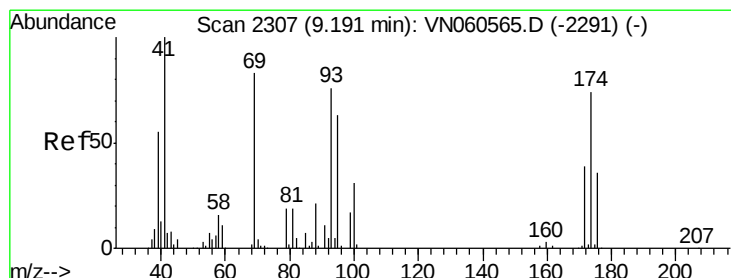
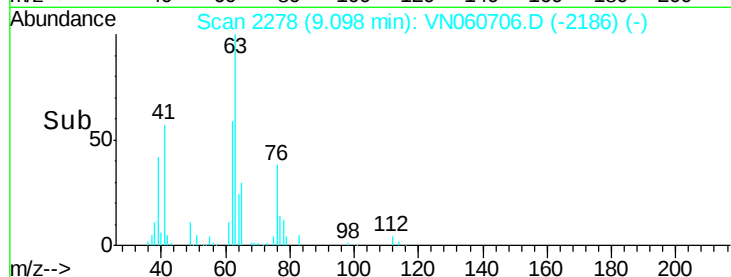
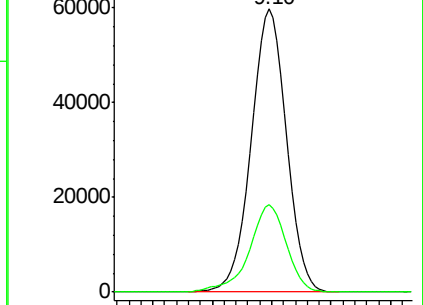
apatel

3/27/2020 10:11:08 AM



Abundance Ion 62.90 (62.60 to 63.60): VN060706.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060706.D (-2258) (-)



#46

Dibromomethane

Concen: 47.253 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

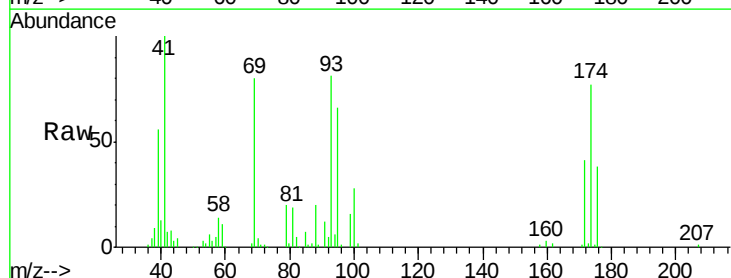
Tgt Ion: 93 Resp: 72271

Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.4

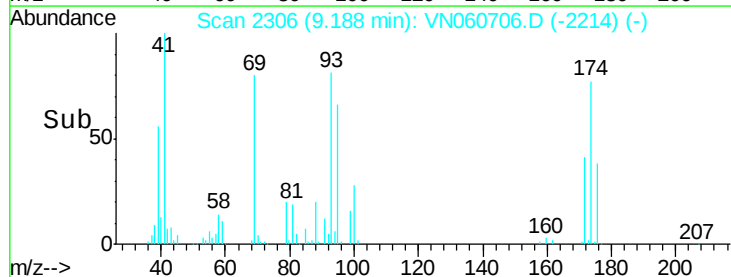
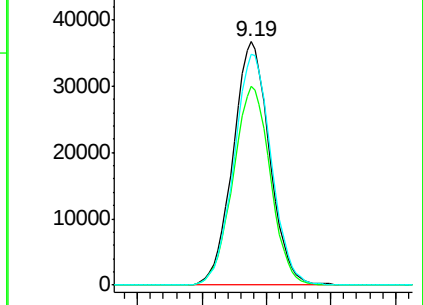
174 96.8 77.9 116.9



Abundance Ion 92.80 (92.50 to 93.50): VN060706.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060706.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060706.D (-2214) (-)





#47

Bromodichloromethane

Concen: 48.095 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

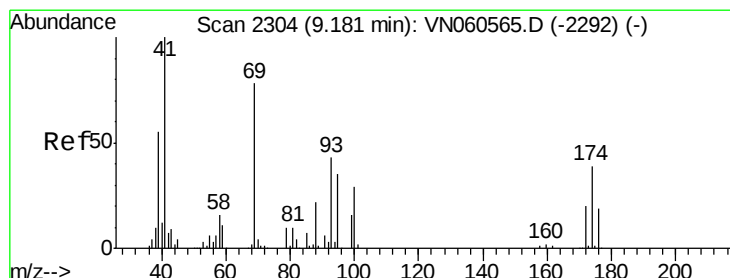
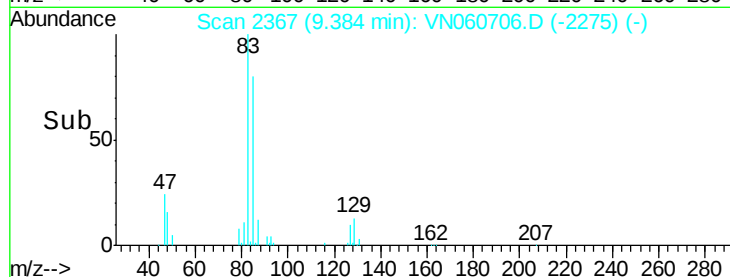
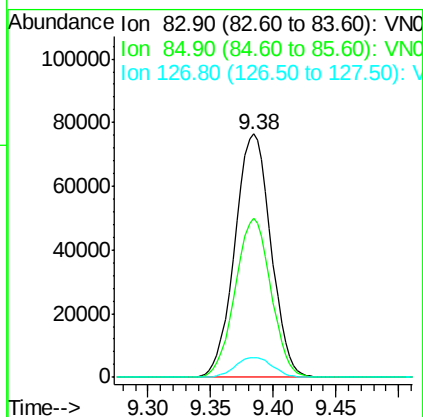
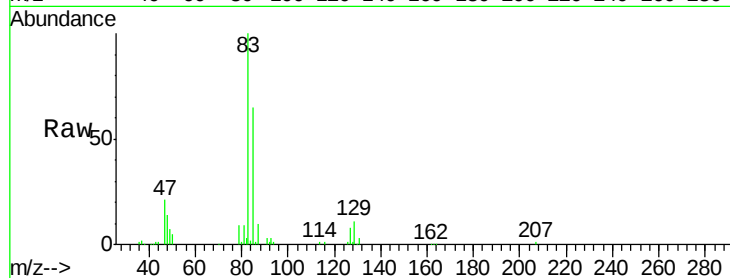
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	152856
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6
127	8.3	6.5	9.7

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#48

Methyl methacrylate

Concen: 43.965 ug/l

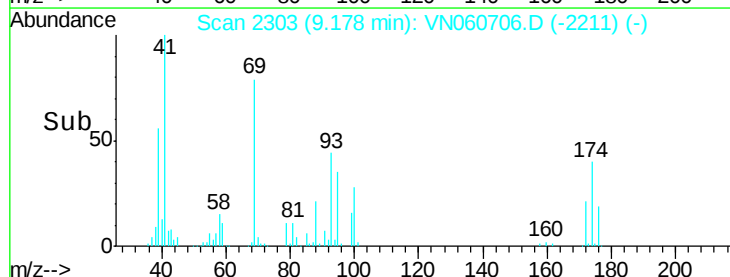
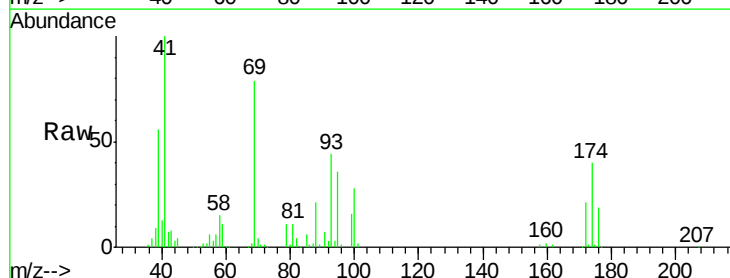
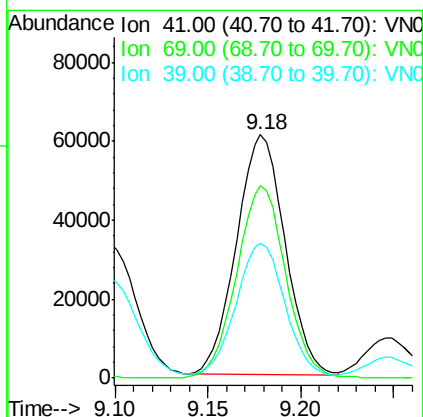
RT: 9.18 min Scan# 2303

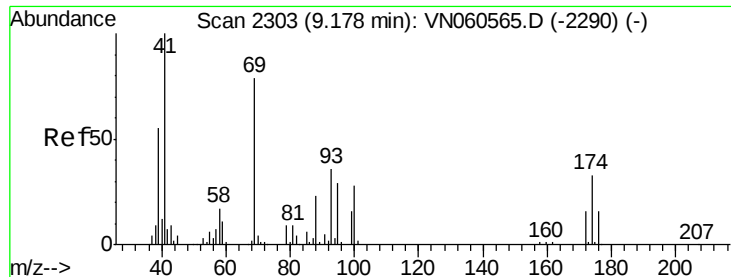
Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion:	41	Resp:	110783
Ion	Ratio	Lower	Upper
41	100		
69	81.3	65.4	98.0
39	55.2	44.0	66.0





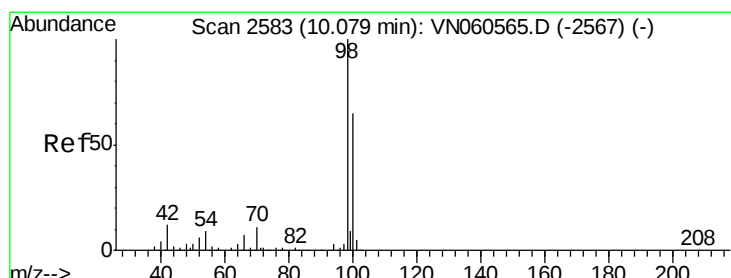
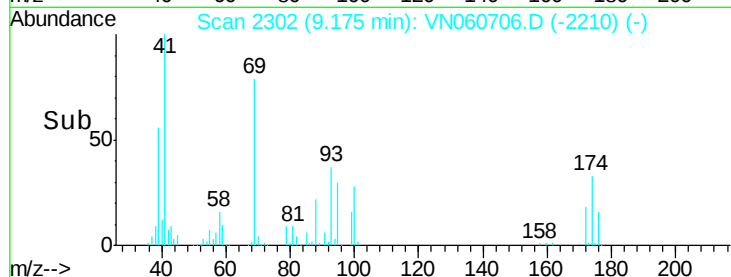
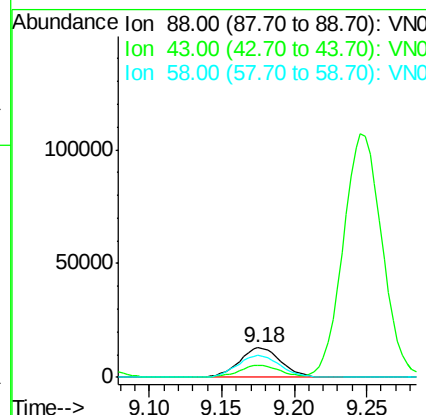
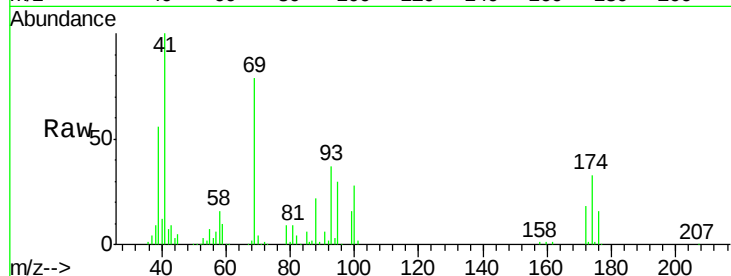
#49
1,4-Dioxane
Concen: 865.688 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	30.8	46.2
58	76.5	59.8	89.8

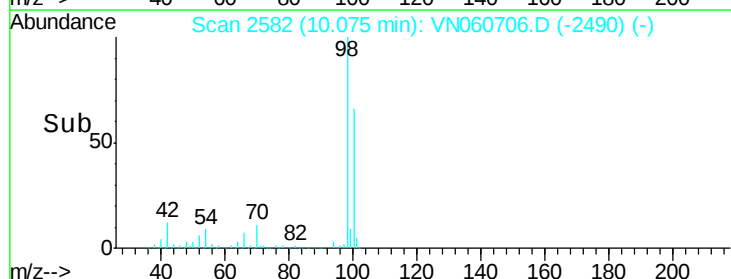
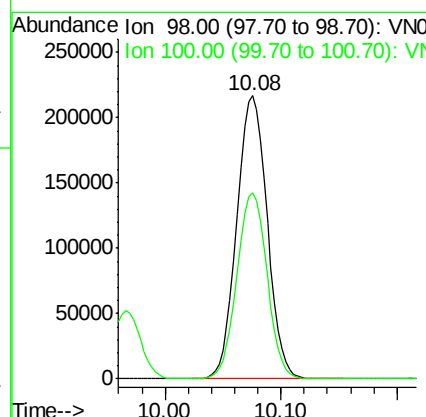
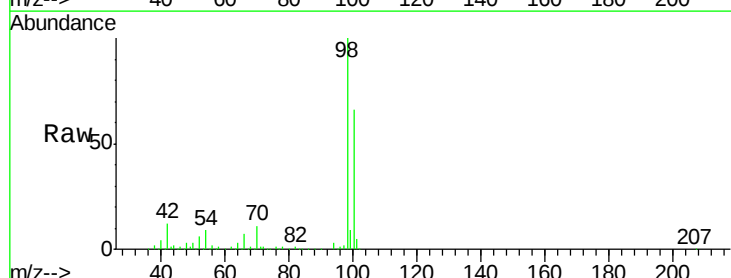
Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#50
Toluene-d8
Concen: 48.514 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.8	77.8





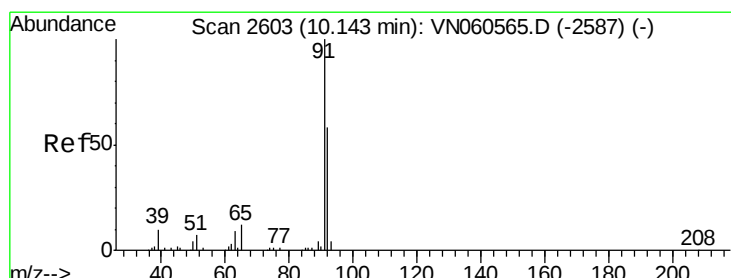
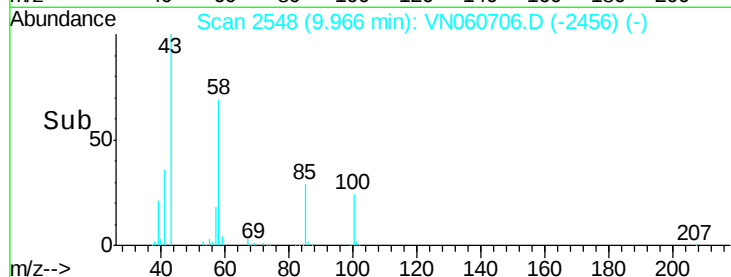
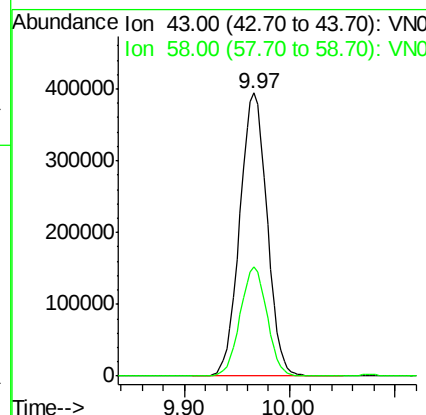
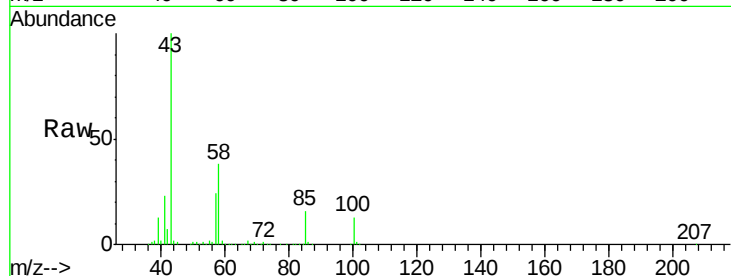
#51
4-Methyl-2-Pentanone
Concen: 219.055 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 705474
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2

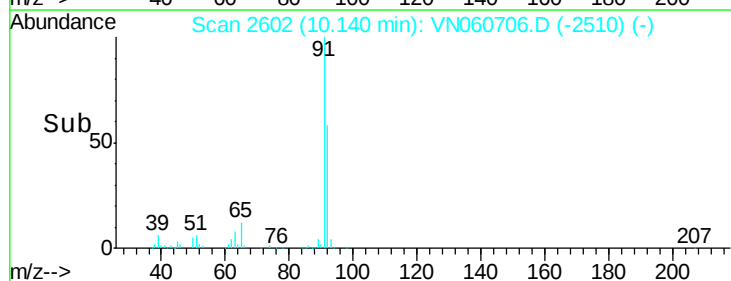
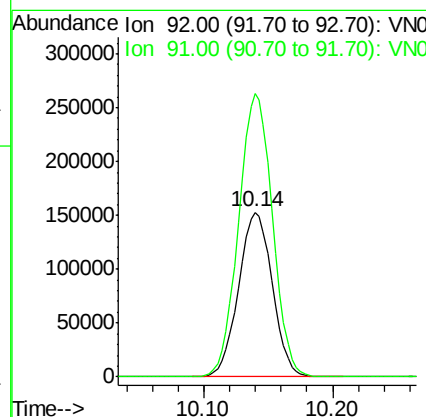
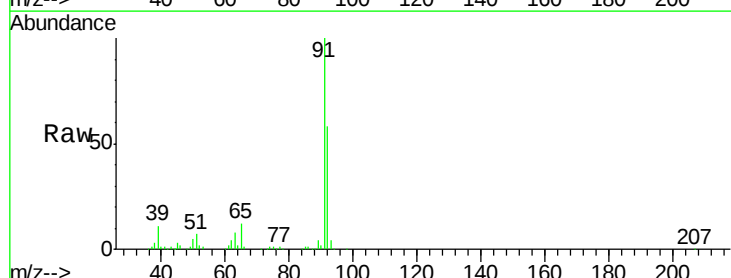
Manual Integrations
APPROVED

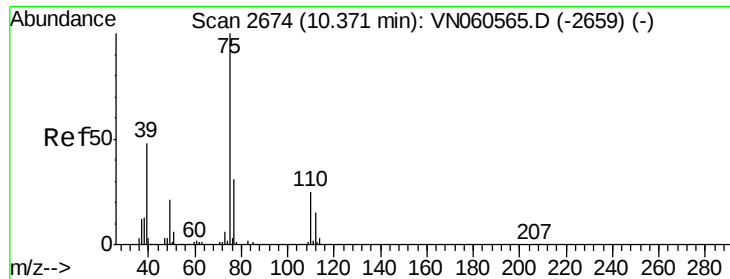
apatel
3/27/2020 10:11:08 AM



#52
Toluene
Concen: 47.933 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion: 92 Resp: 277539
Ion Ratio Lower Upper
92 100
91 172.6 137.6 206.4





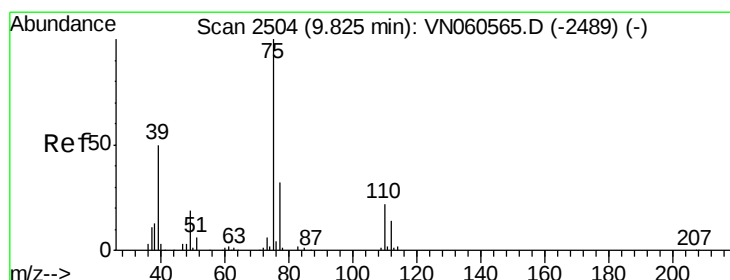
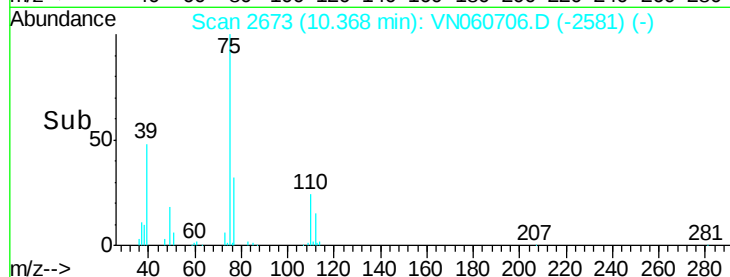
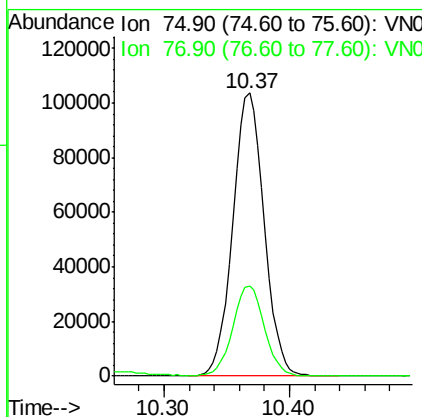
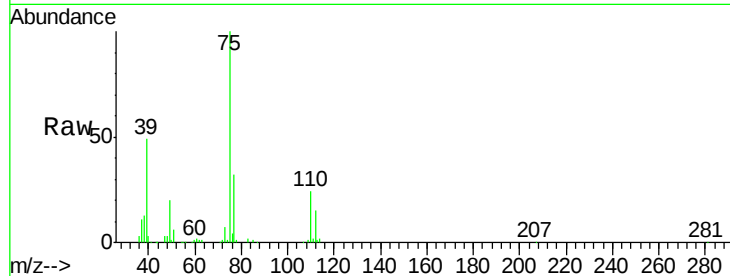
#53
t-1,3-Dichloropropene
Concen: 49.229 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 179720
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7

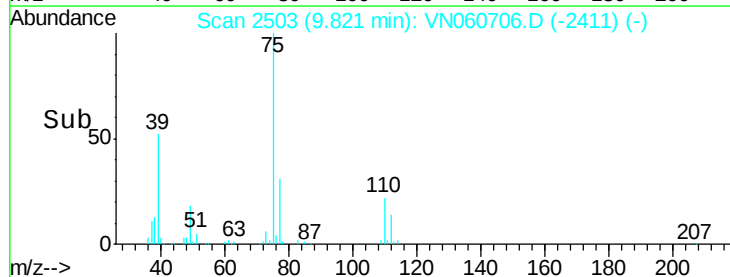
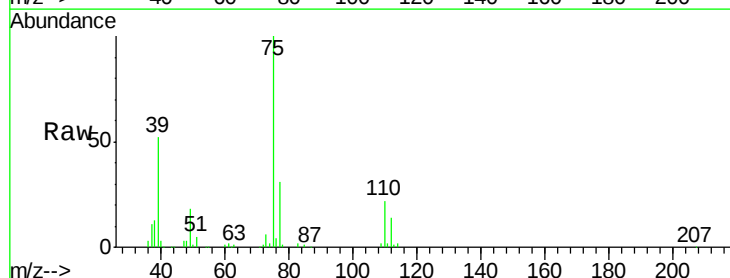
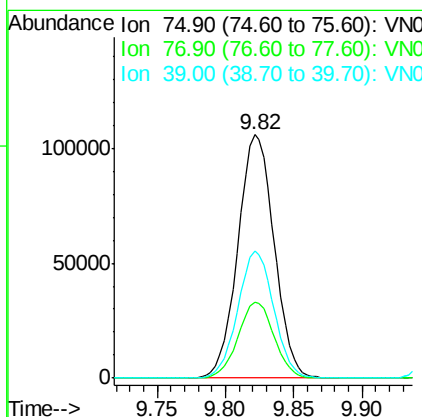
Manual Integrations
APPROVED

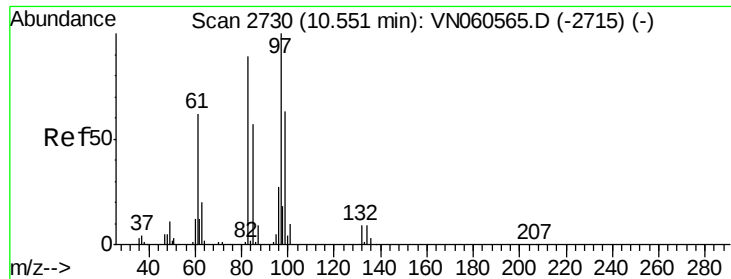
apatel
3/27/2020 10:11:08 AM



#54
cis-1,3-Dichloropropene
Concen: 48.877 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion: 75 Resp: 195752
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 52.0 40.2 60.4





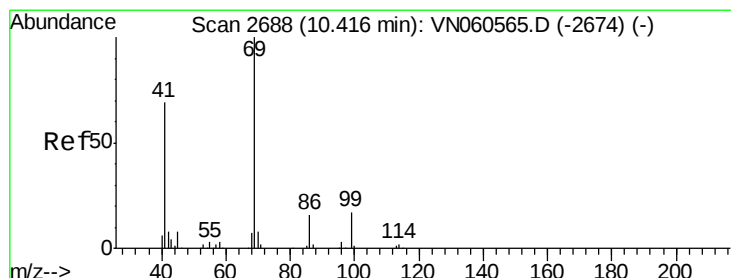
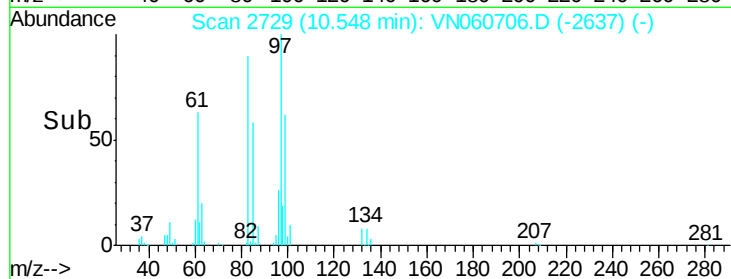
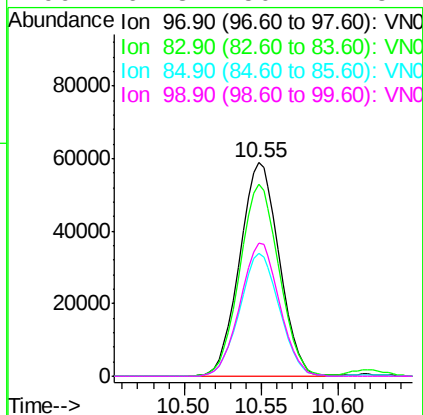
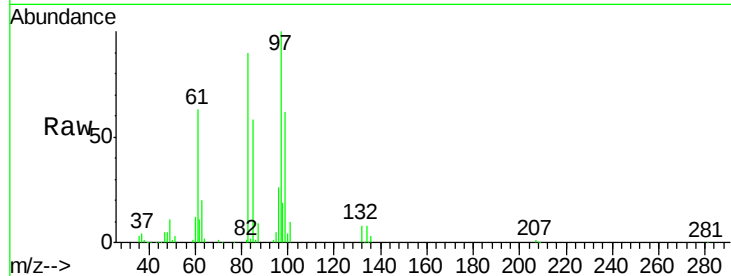
#55
 1,1,2-Trichloroethane
 Concen: 47.042 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	104789
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.3	106.9
85	57.7	45.2	67.8
99	62.3	50.1	75.1

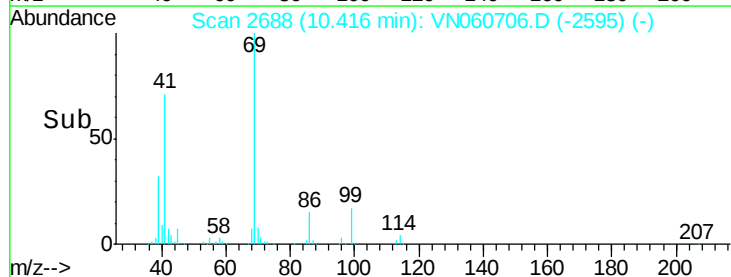
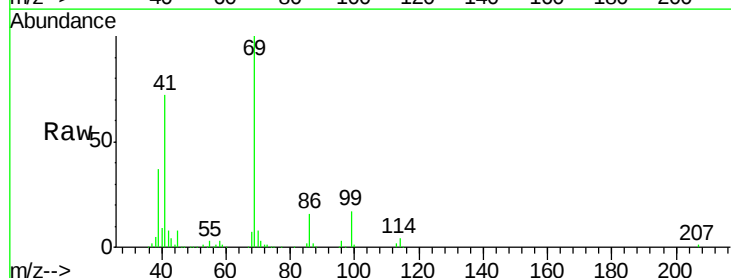
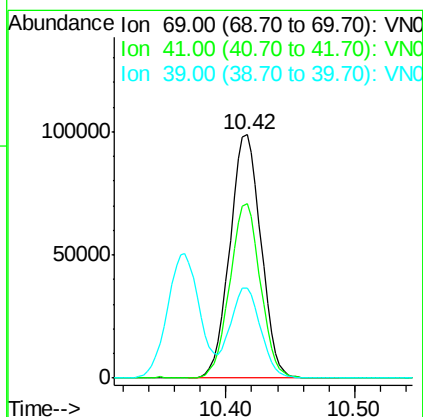
Manual Integrations
 APPROVED

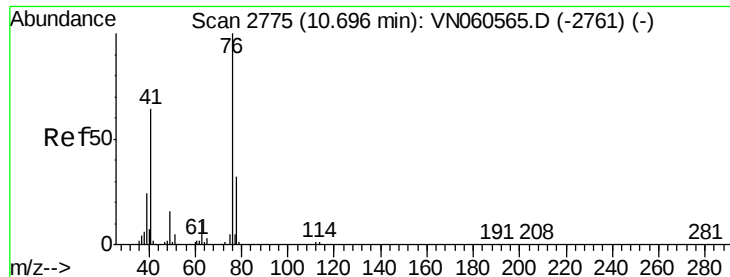
apatel
 3/27/2020 10:11:08 AM



#56
 Ethyl methacrylate
 Concen: 47.707 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion:	69	Resp:	165702
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.4	83.2
39	35.9	29.4	44.0





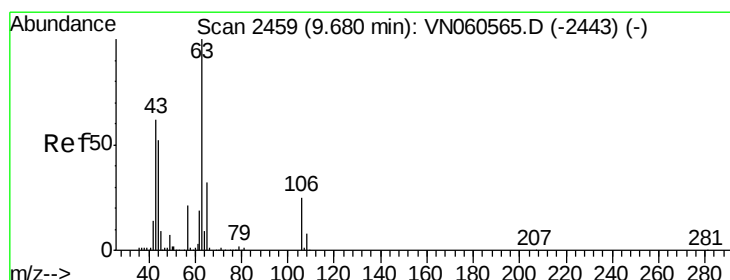
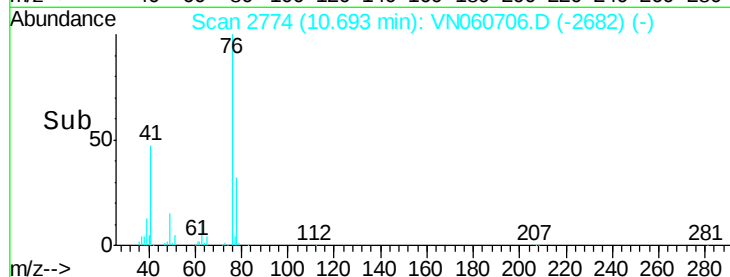
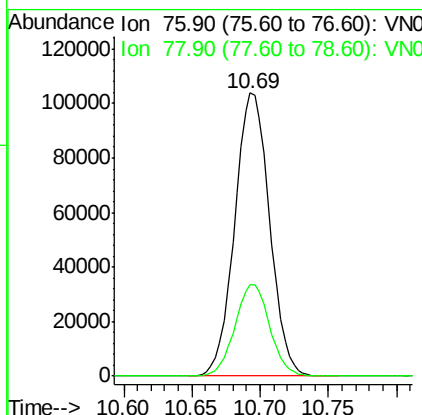
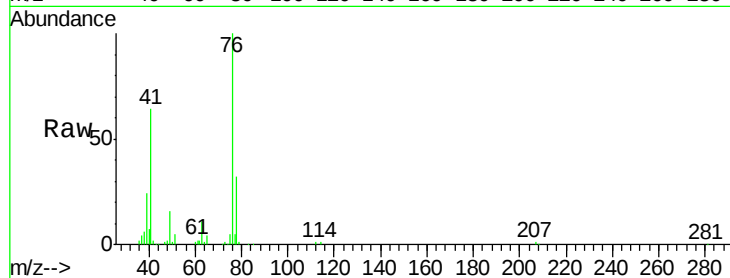
#57
 1,3-Dichloropropane
 Concen: 47.724 ug/l
 RT: 10.69 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

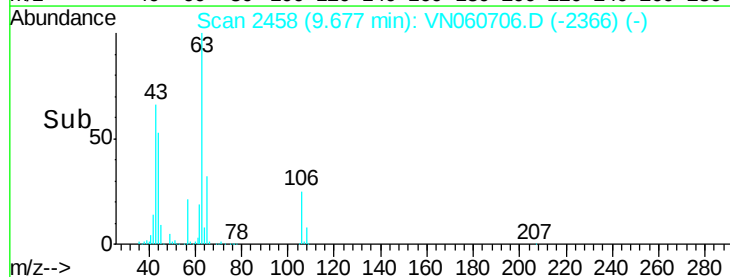
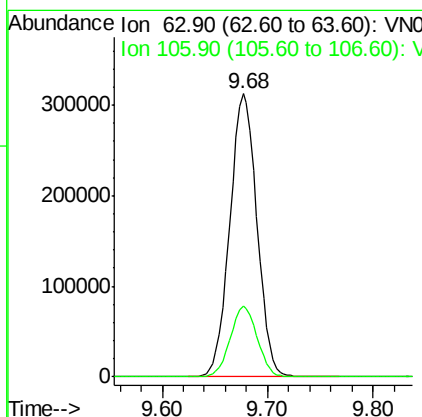
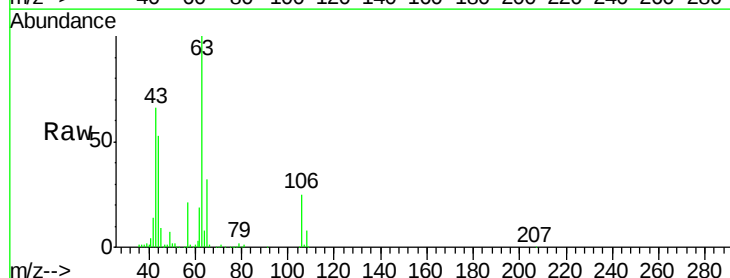
Manual Integrations
 APPROVED

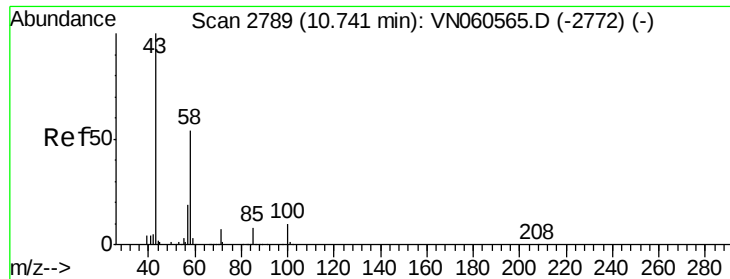
apatel
 3/27/2020 10:11:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 321.323 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	20.0	30.0





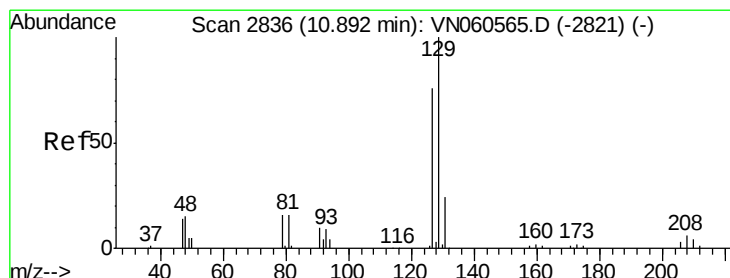
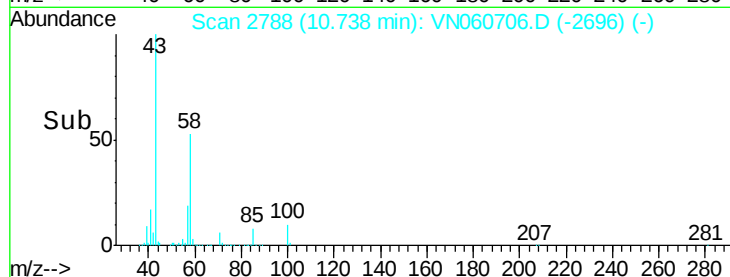
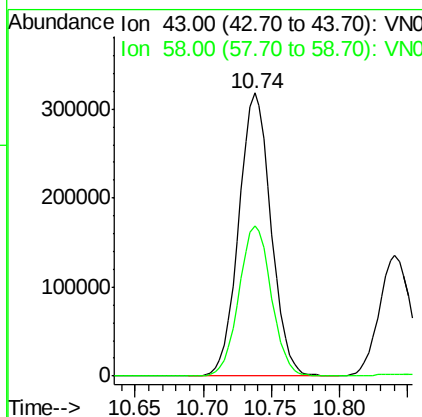
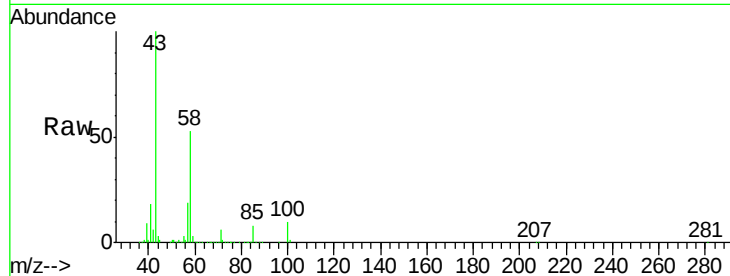
#59
2-Hexanone
Concen: 224.267 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 520283
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.1

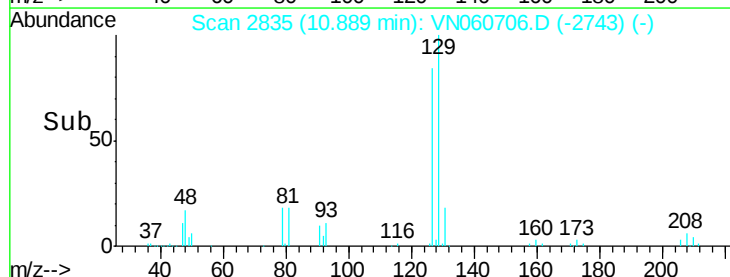
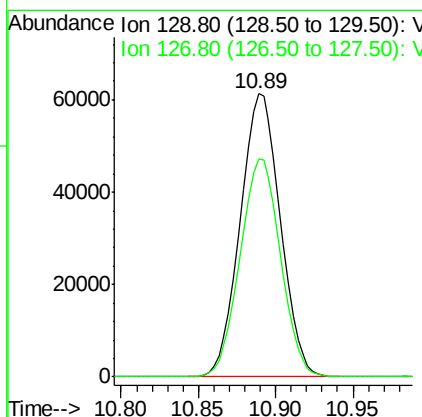
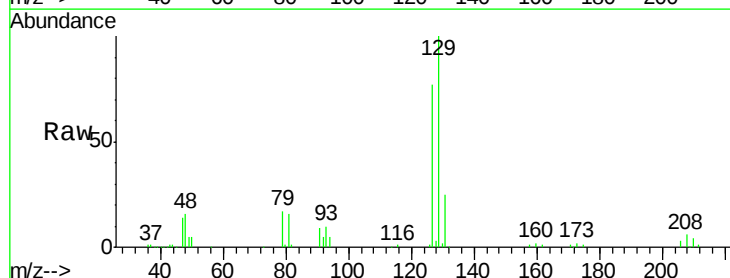
Manual Integrations
APPROVED

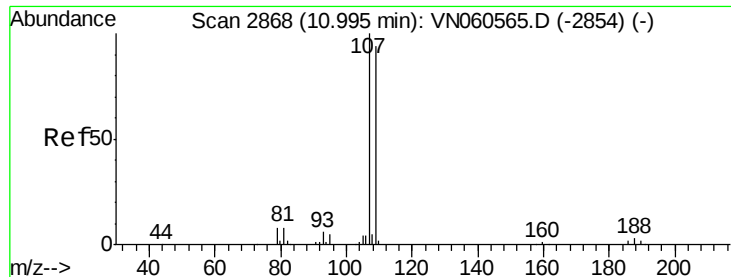
apatel
3/27/2020 10:11:08 AM



#60
Dibromochloromethane
Concen: 48.154 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion: 129 Resp: 110800
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





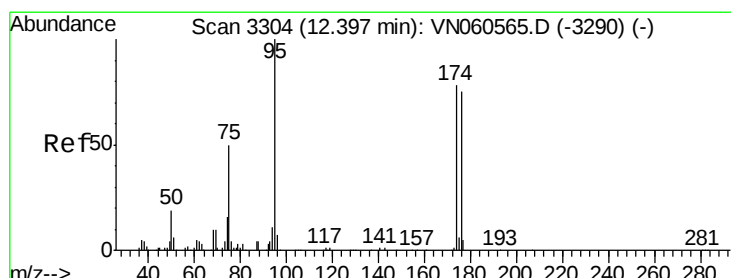
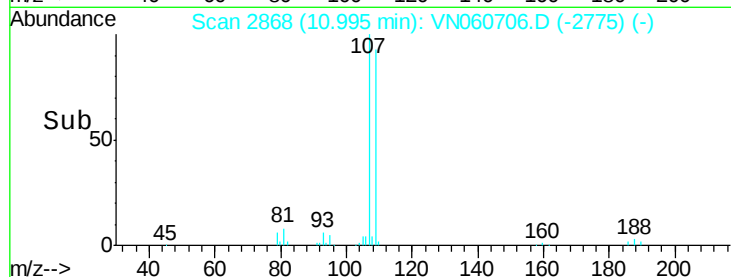
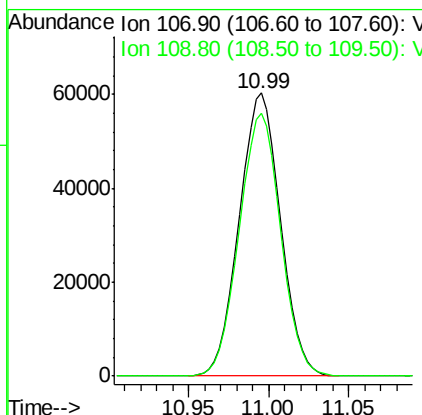
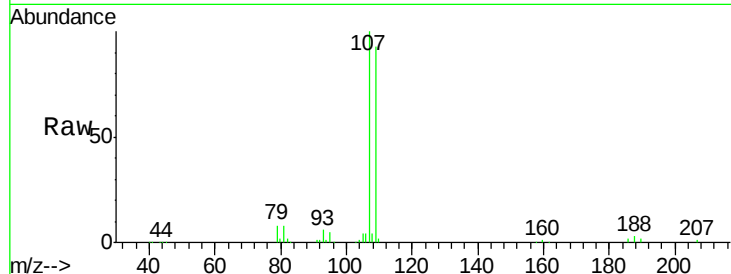
#61
 1,2-Dibromoethane
 Concen: 47.358 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2

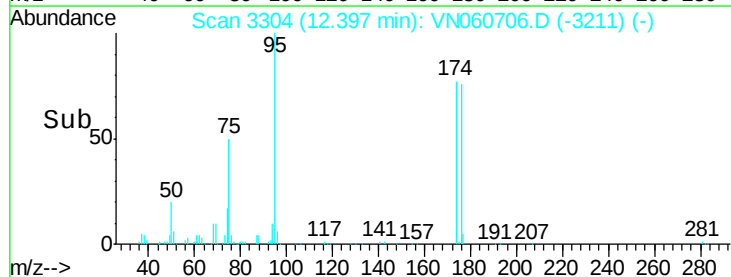
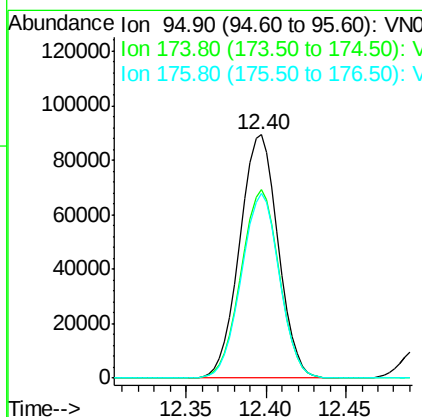
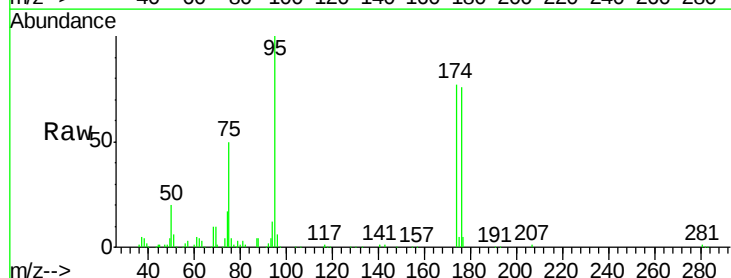
Manual Integrations
 APPROVED

apatel
 3/27/2020 10:11:08 AM



#62
 4-Bromofluorobenzene
 Concen: 49.216 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	157.6
176	75.2	0.0	150.6





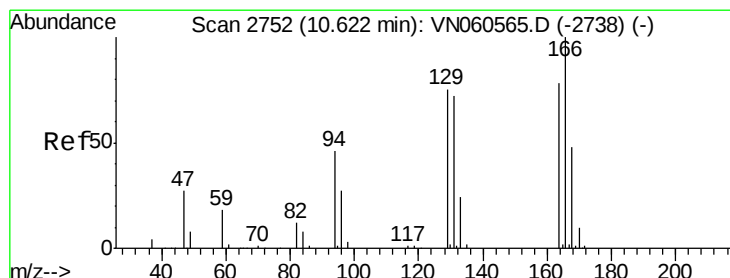
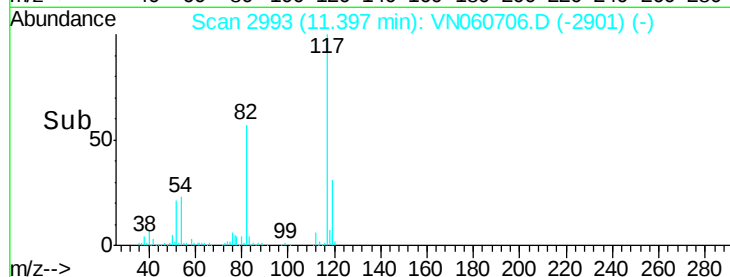
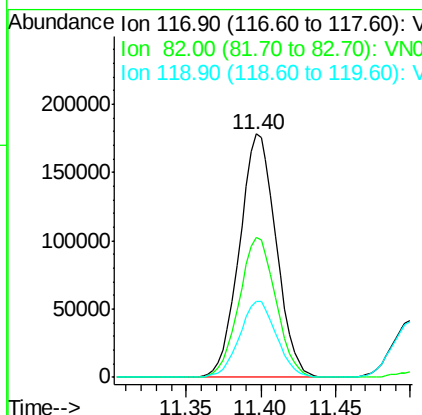
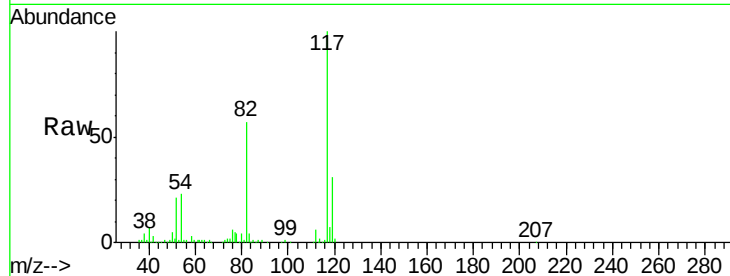
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.7	70.1
119	31.4	25.5	38.3

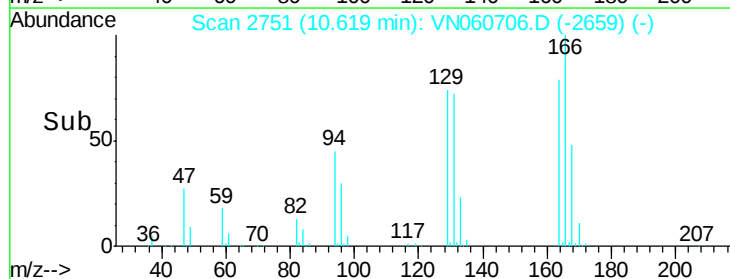
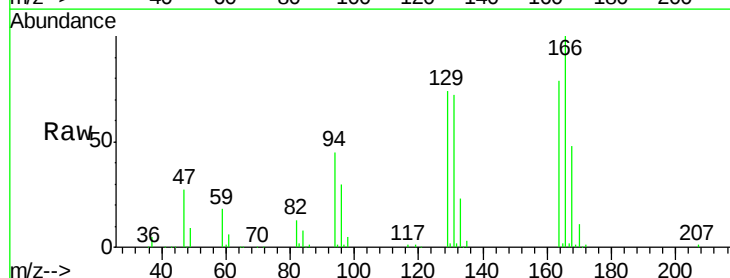
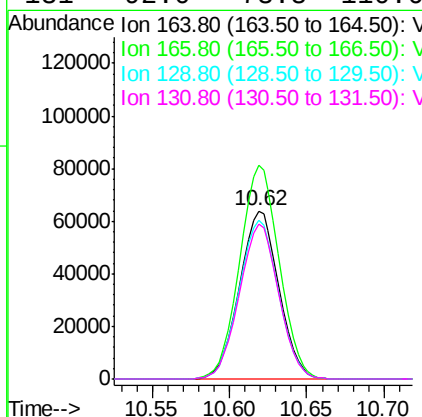
Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#64
Tetrachloroethene
Concen: 47.103 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.7	154.1
129	94.3	77.2	115.8
131	92.0	73.8	110.6





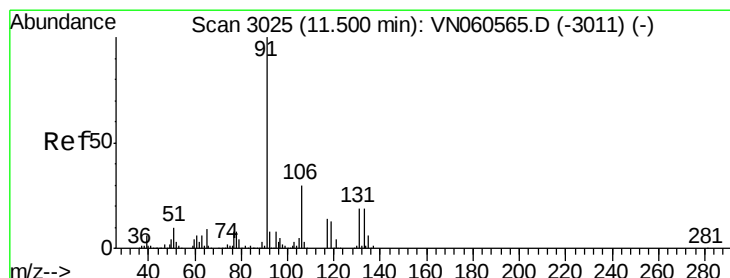
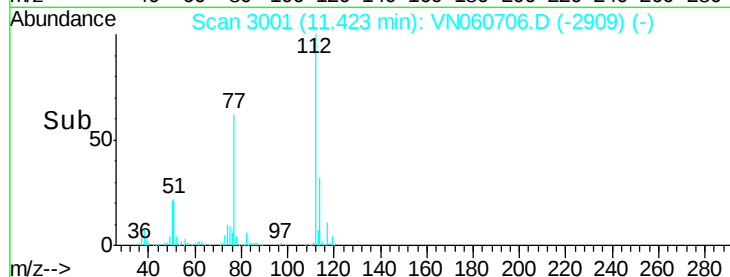
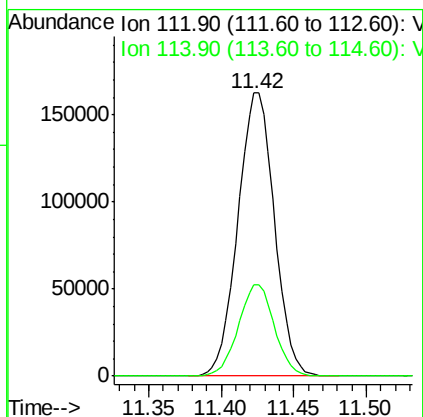
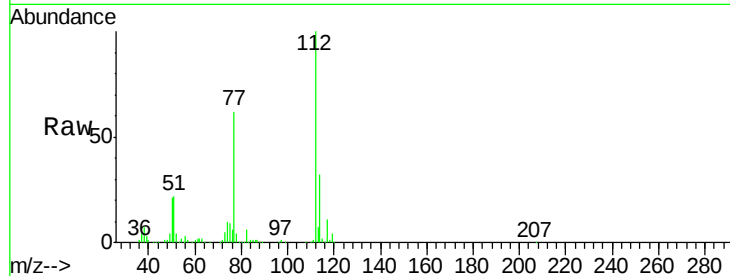
#65
Chlorobenzene
Concen: 47.196 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.6

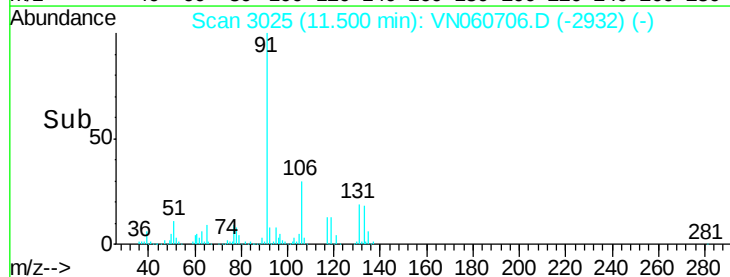
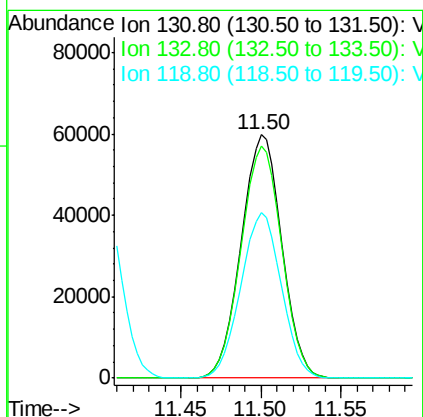
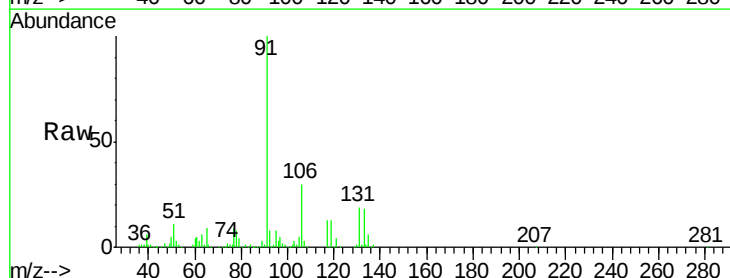
Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.371 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.9	146.8
119	68.0	33.9	101.7





#67

Ethyl Benzene

Concen: 47.820 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 536097

Ion Ratio Lower Upper

91 100

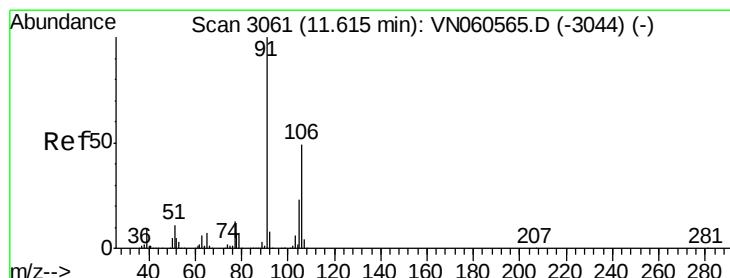
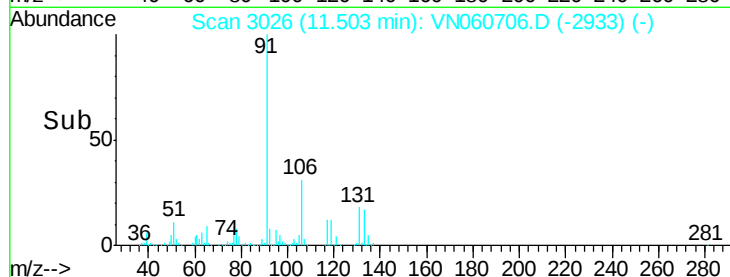
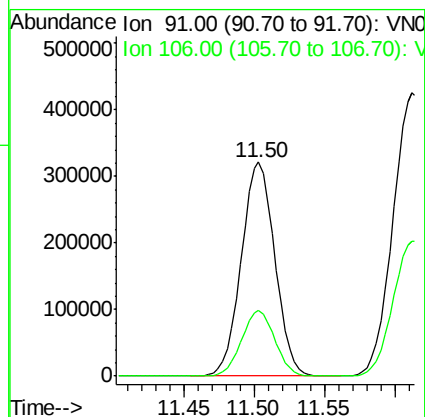
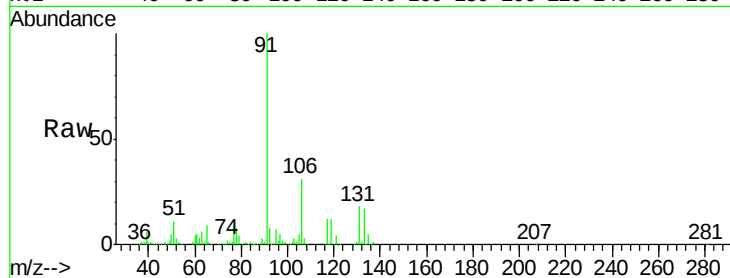
106 30.5 24.2 36.2

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM



#68

m/p-Xylenes

Concen: 95.110 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060706.D

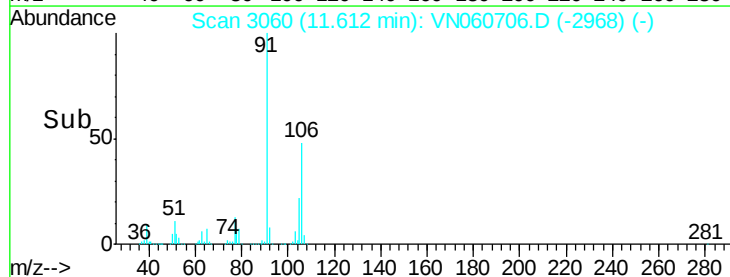
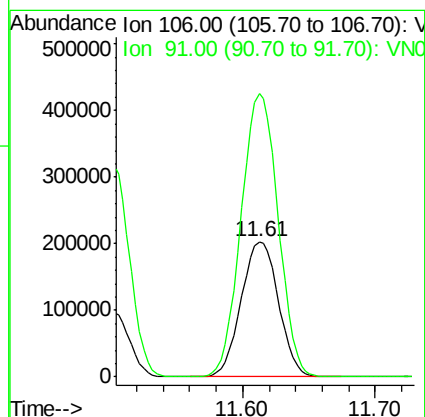
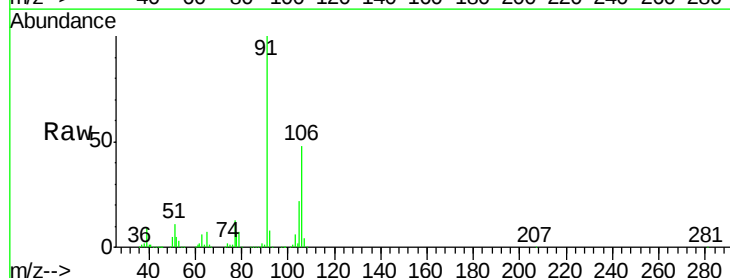
Acq: 26 Mar 2020 11:22

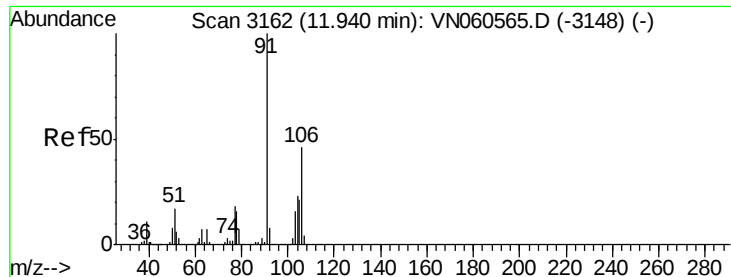
Tgt Ion: 106 Resp: 396220

Ion Ratio Lower Upper

106 100

91 207.7 165.0 247.4





#69

o-Xylene

Concen: 47.356 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 188328

Ion Ratio Lower Upper

106 100

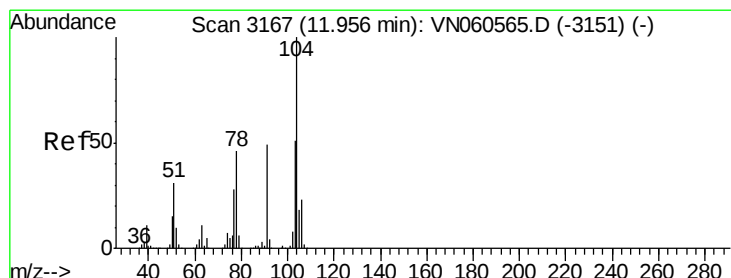
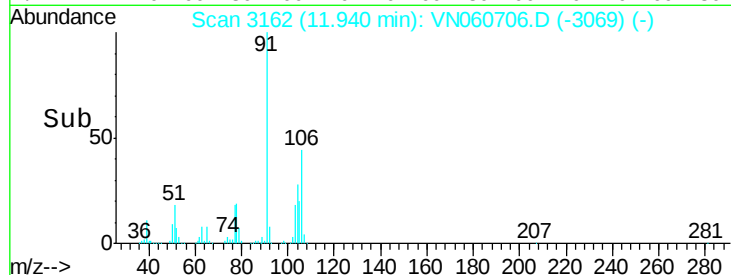
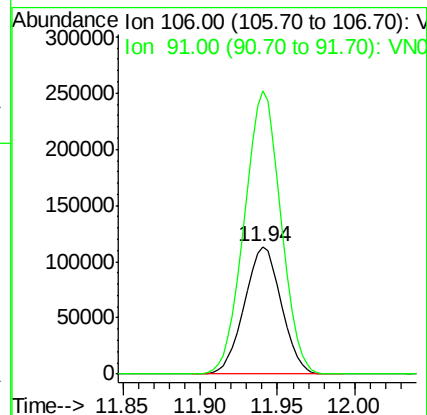
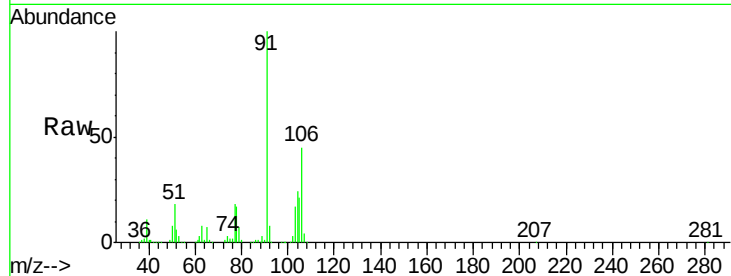
91 219.9 109.5 328.4

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM



#70

Styrene

Concen: 48.322 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

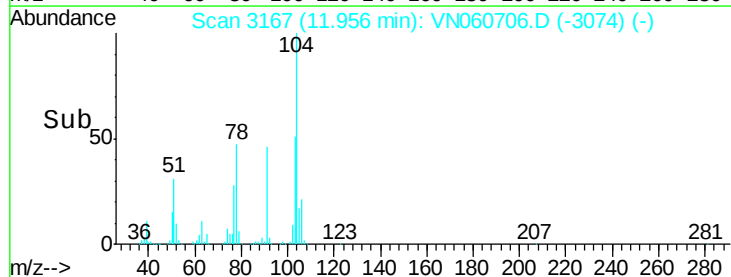
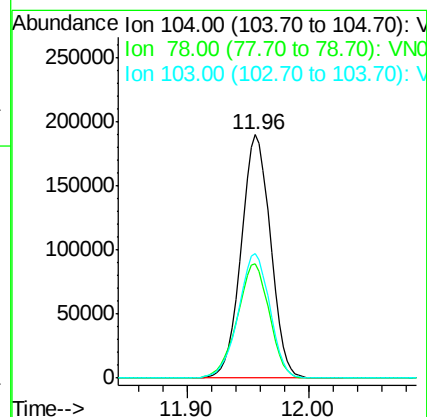
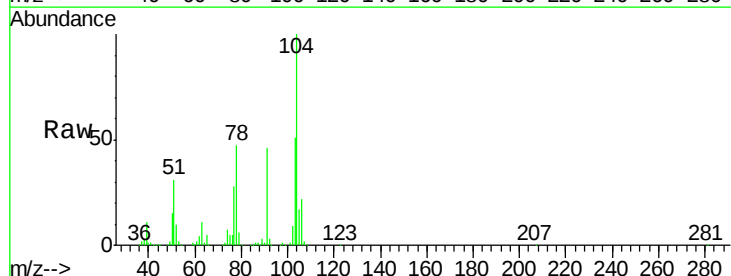
Tgt Ion:104 Resp: 314292

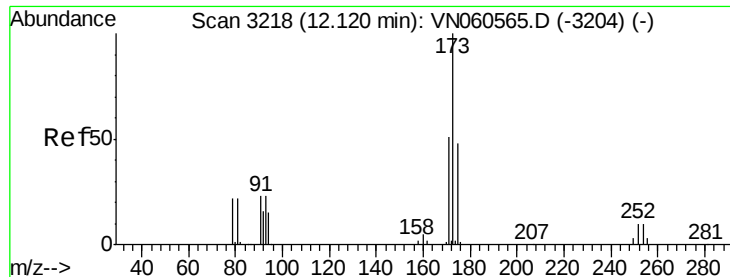
Ion Ratio Lower Upper

104 100

78 51.7 41.2 61.8

103 55.2 44.0 66.0





#71

Bromoform

Concen: 42.965 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 77498

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.4

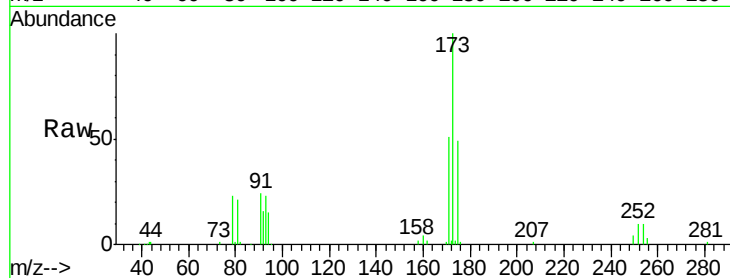
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

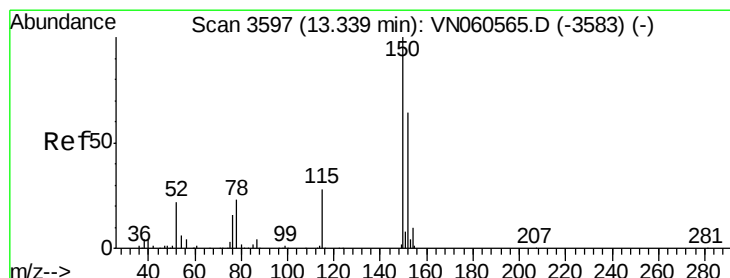
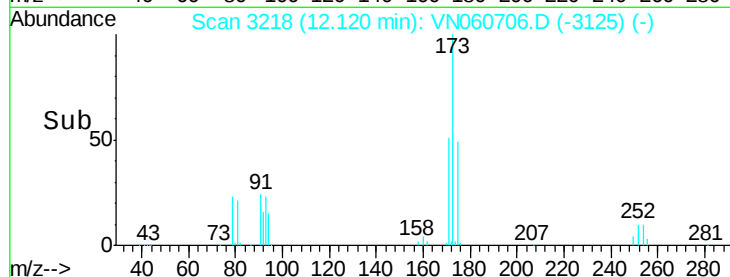
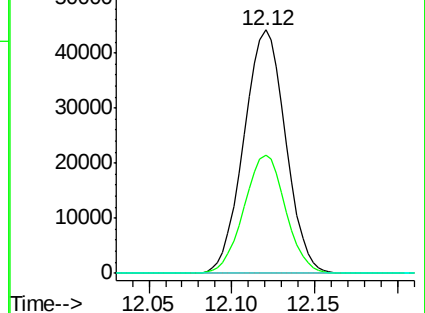
3/27/2020 10:11:08 AM



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: VN060706.D

Acq: 26 Mar 2020 11:22

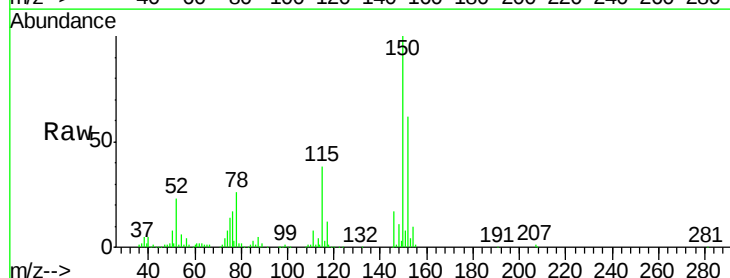
Tgt Ion:152 Resp: 148024

Ion Ratio Lower Upper

152 100

115 60.4 30.2 90.6

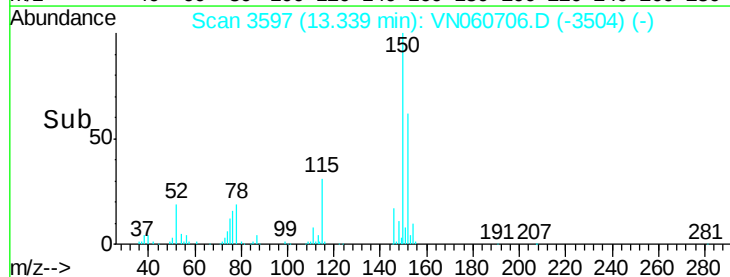
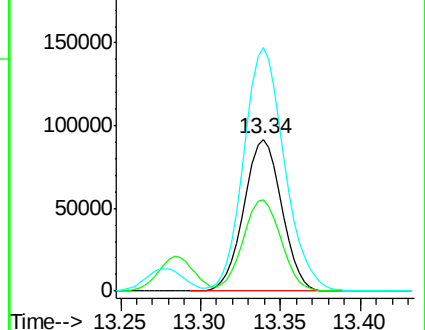
150 172.9 0.0 350.2



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: 45.990 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 510883

Ion Ratio Lower Upper

105 100

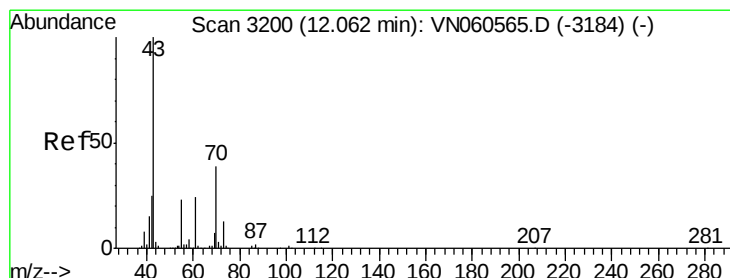
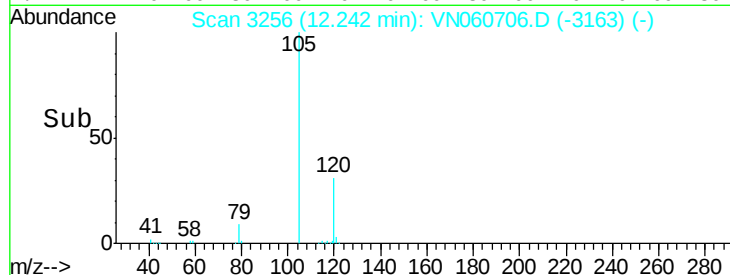
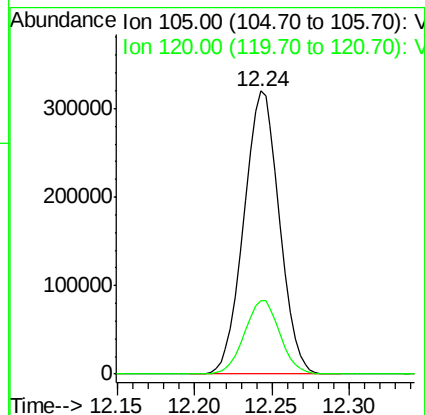
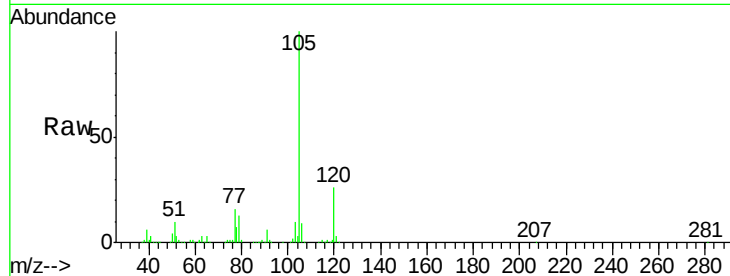
120 26.0 13.1 39.1

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM



#74

N-ethyl acetate

Concen: 43.276 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion: 43 Resp: 222144

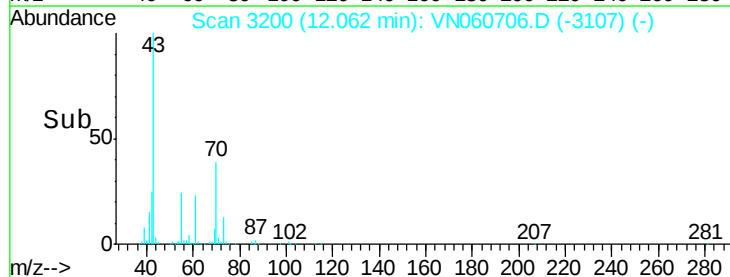
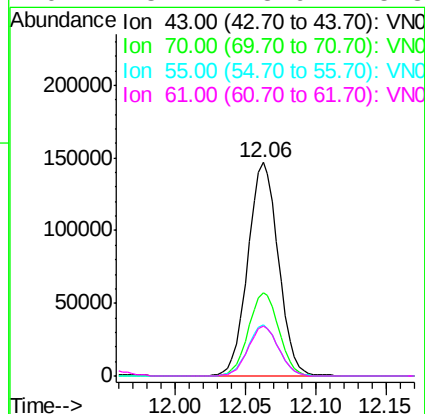
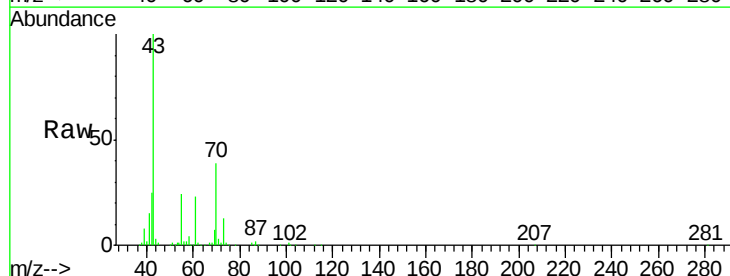
Ion Ratio Lower Upper

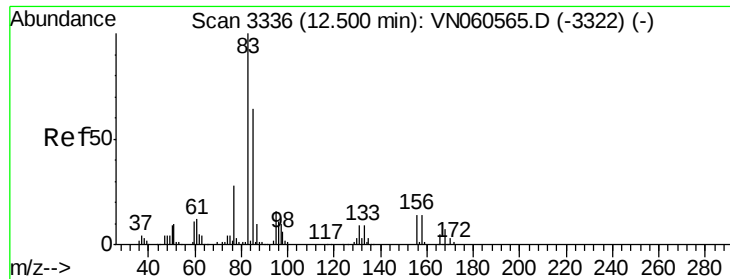
43 100

70 39.2 31.1 46.7

55 24.1 18.6 27.8

61 23.4 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 43.162 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

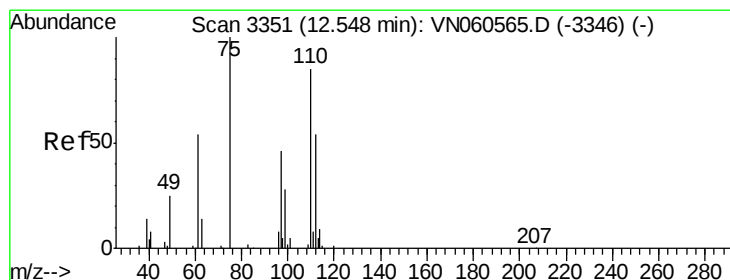
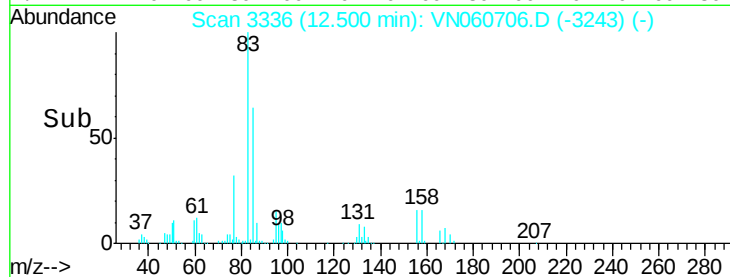
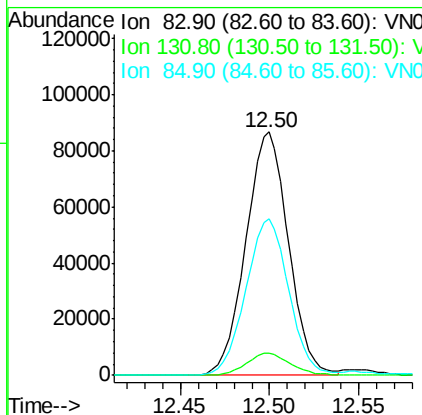
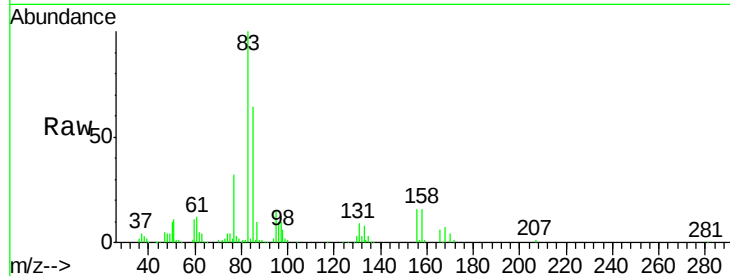
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	144997
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	64.5	32.5	97.4

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#76

1,2,3-Trichloropropane

Concen: 44.178 ug/l m

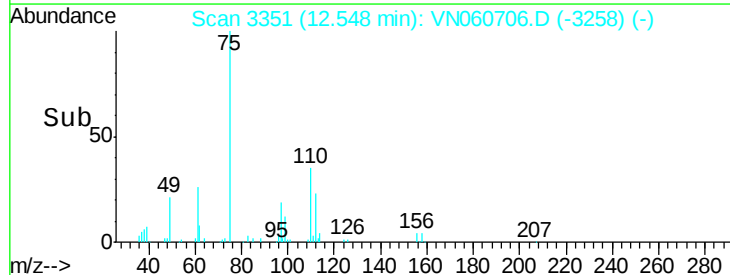
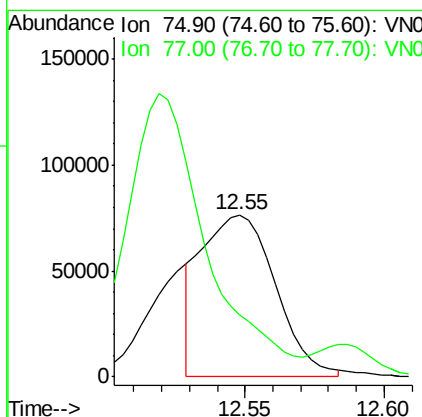
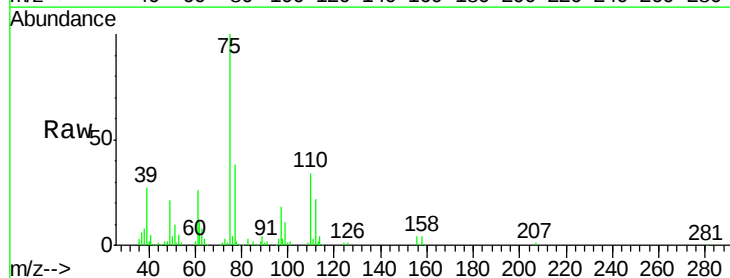
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion:	75	Resp:	141106
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





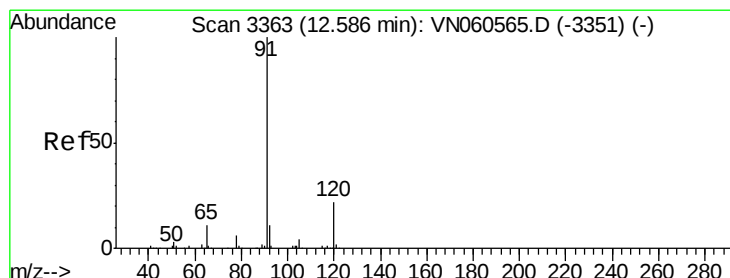
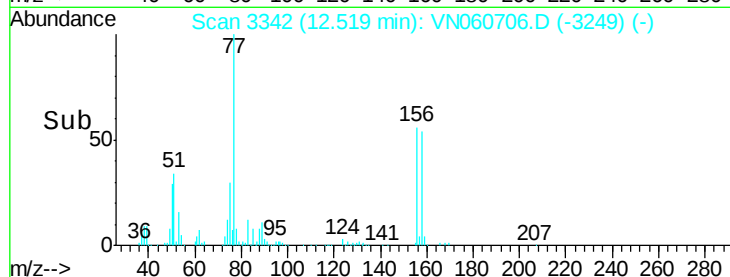
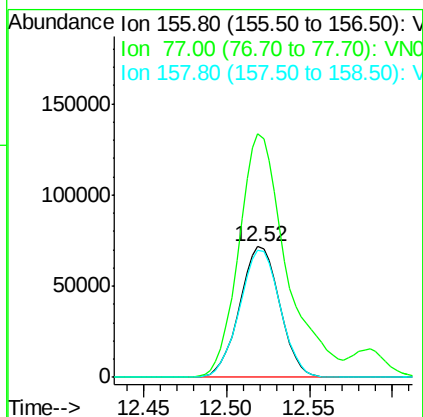
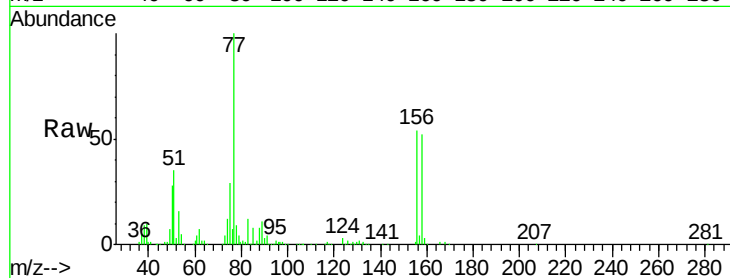
#77
Bromobenzene
Concen: 45.127 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	221.2	112.3	337.0	
158	98.0	48.6	145.8	

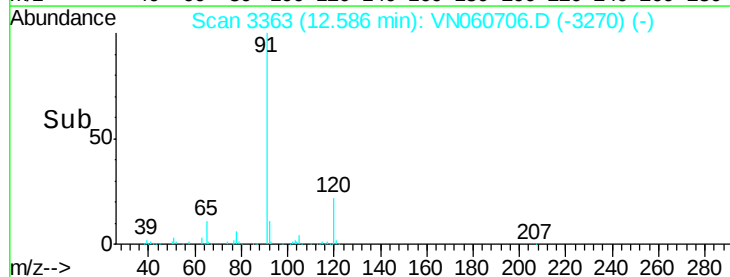
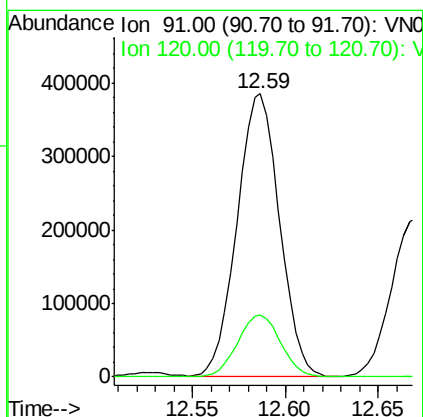
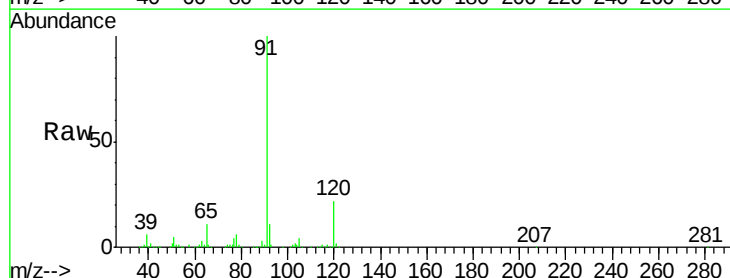
Manual Integrations
APPROVED

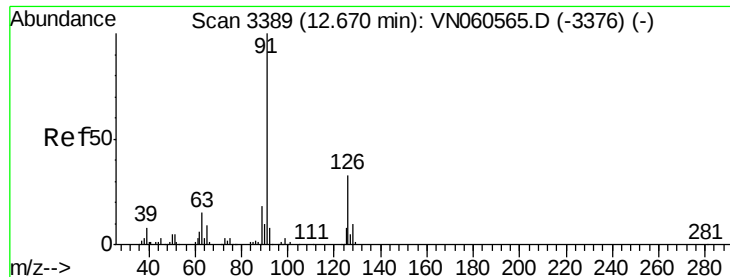
apatel
3/27/2020 10:11:08 AM



#78
n-propylbenzene
Concen: 46.591 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.3	33.8	





#79

2-Chlorotoluene

Concen: 45.290 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 355145

Ion Ratio Lower Upper

91 100

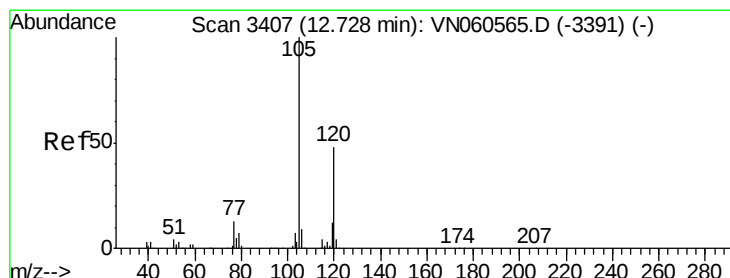
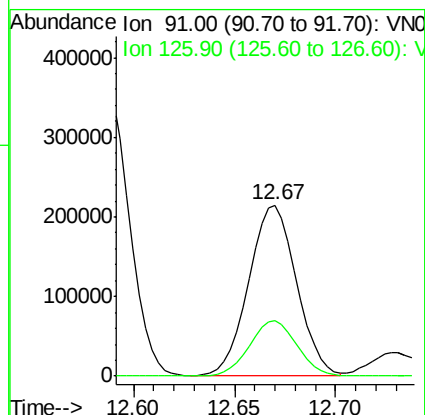
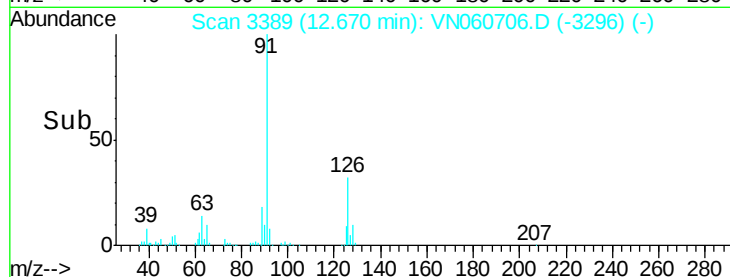
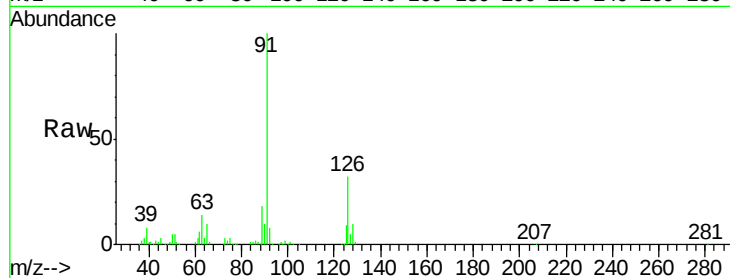
126 32.3 16.4 49.1

Manual Integrations

APPROVED

apatel

3/27/2020 10:11:08 AM



#80

1,3,5-Trimethylbenzene

Concen: 46.080 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060706.D

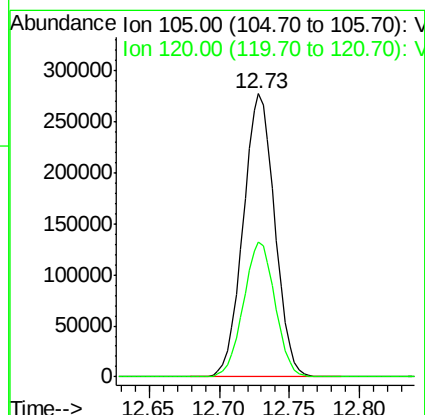
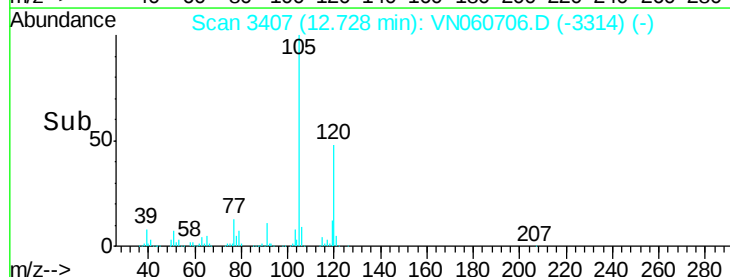
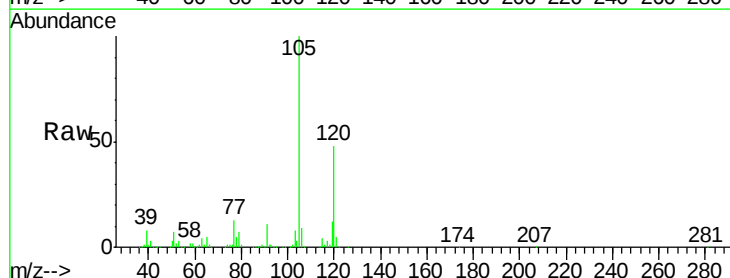
Acq: 26 Mar 2020 11:22

Tgt Ion: 105 Resp: 434399

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 44.378 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

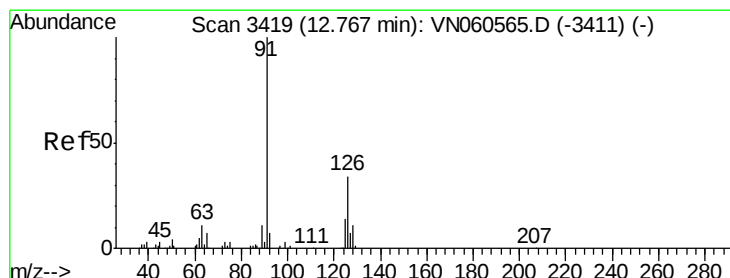
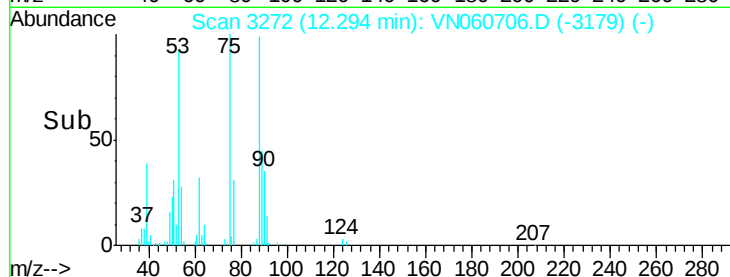
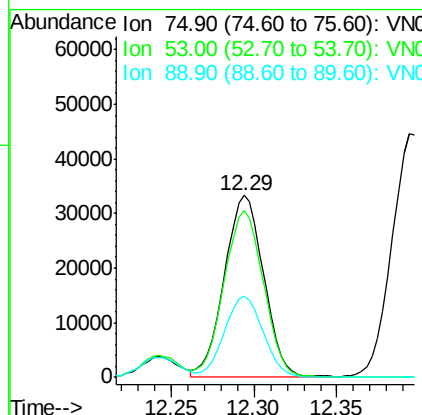
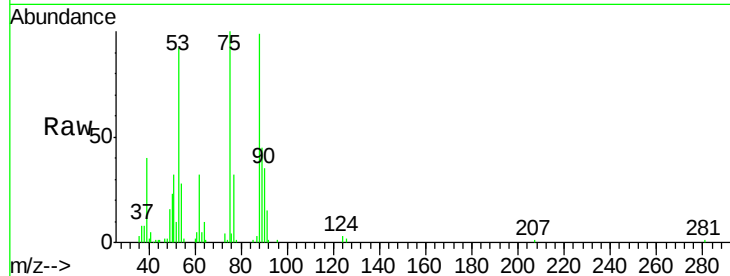
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	55191
Ion	Ratio	Lower	Upper
75	100		
53	92.1	73.0	109.4
89	43.8	34.8	52.2

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#82

4-Chlorotoluene

Concen: 46.265 ug/l

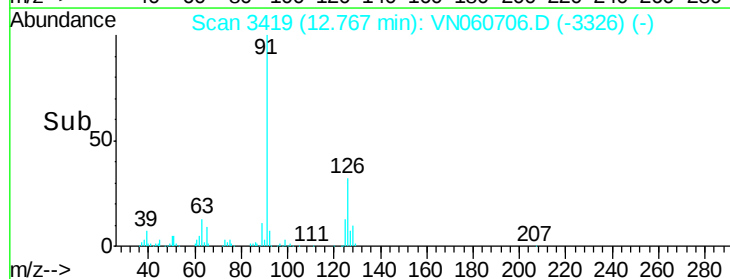
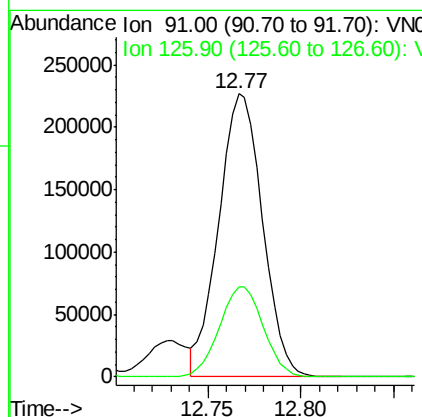
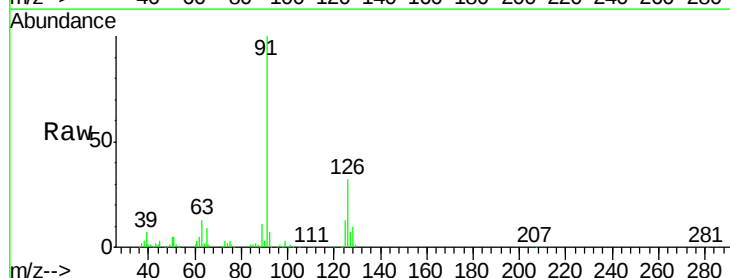
RT: 12.77 min Scan# 3419

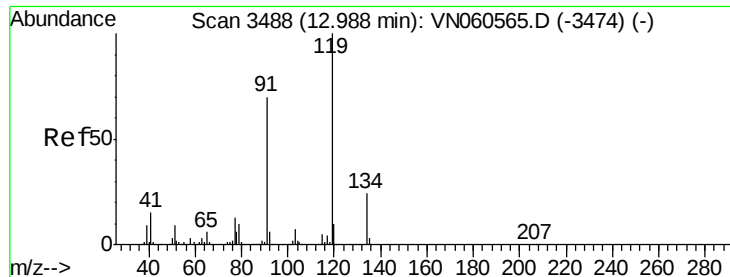
Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion:	91	Resp:	369502
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





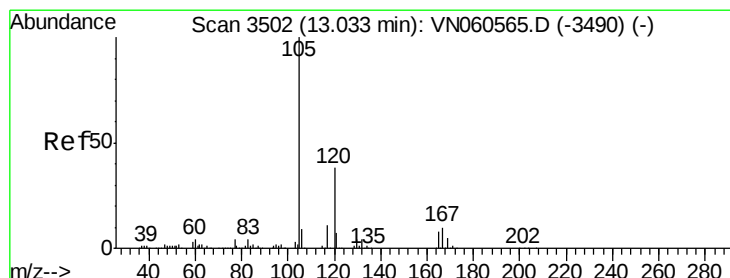
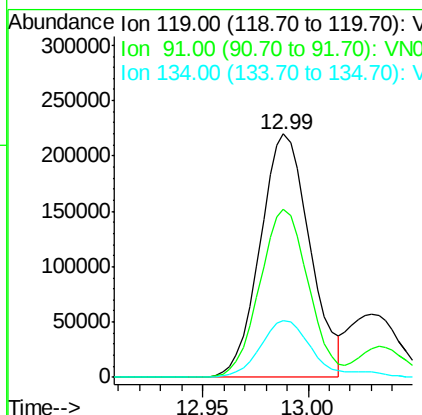
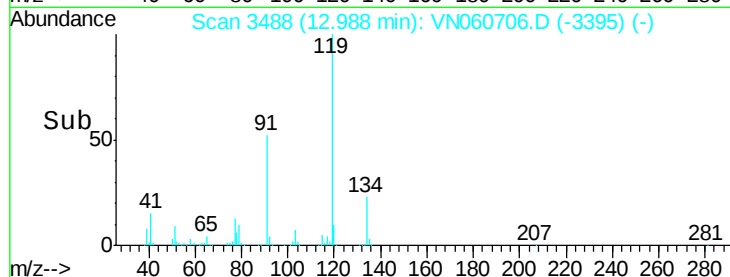
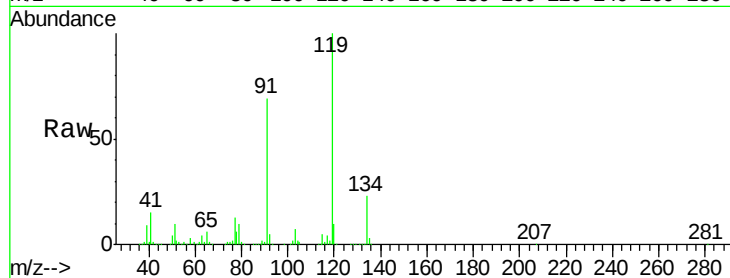
#83
 tert-Butylbenzene
 Concen: 46.250 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	24.8	12.7	38.0

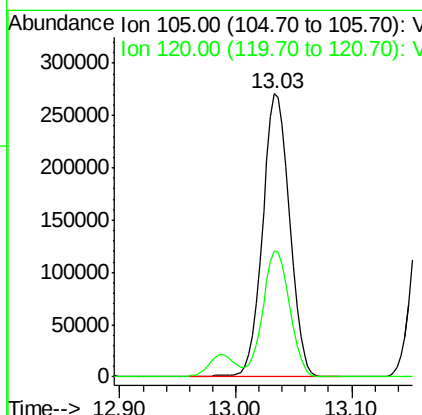
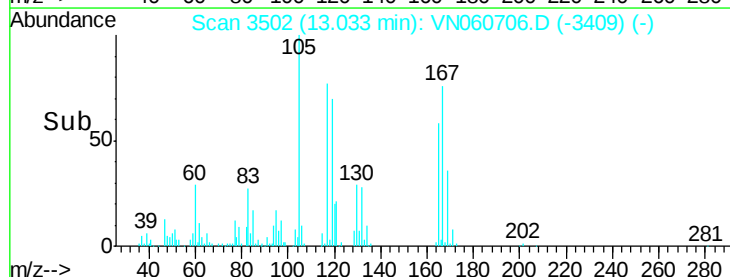
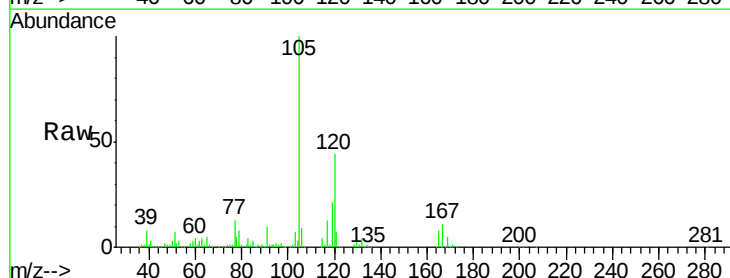
Manual Integrations
 APPROVED

apatel
 3/27/2020 10:11:08 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.950 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 47.269 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 496730

Ion Ratio Lower Upper

105 100

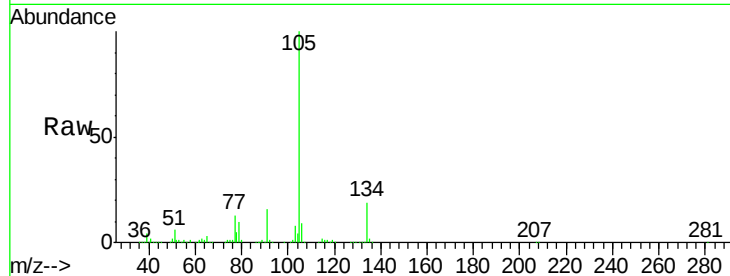
134 19.4 9.6 28.8

Manual Integrations

APPROVED

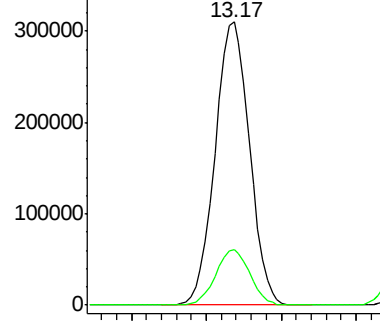
apatel

3/27/2020 10:11:08 AM

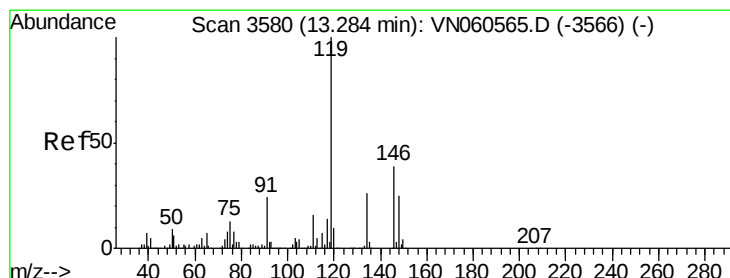
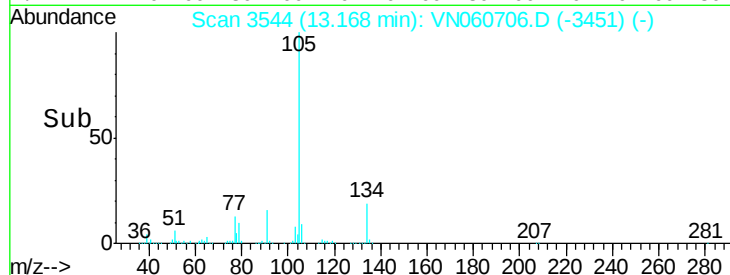


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 47.506 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

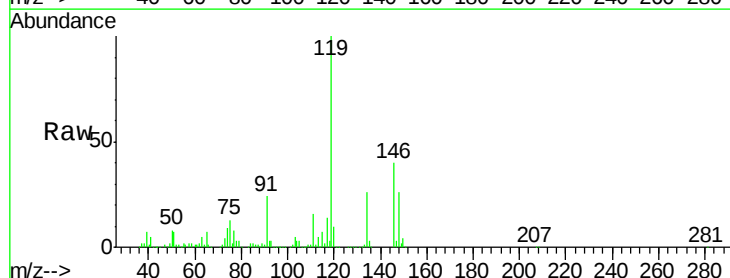
Tgt Ion:119 Resp: 448913

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

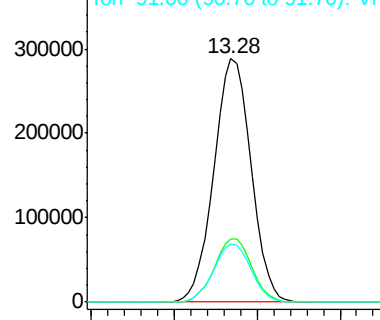
91 24.1 12.0 36.0



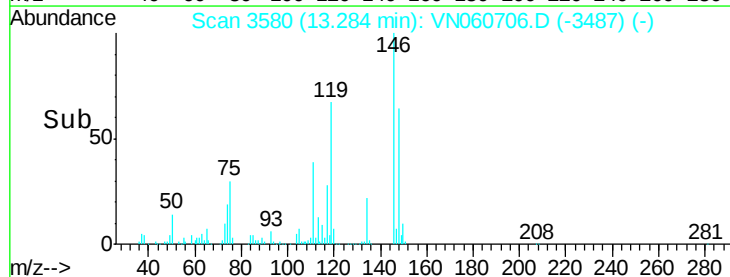
Abundance Ion 119.00 (118.70 to 119.70): V

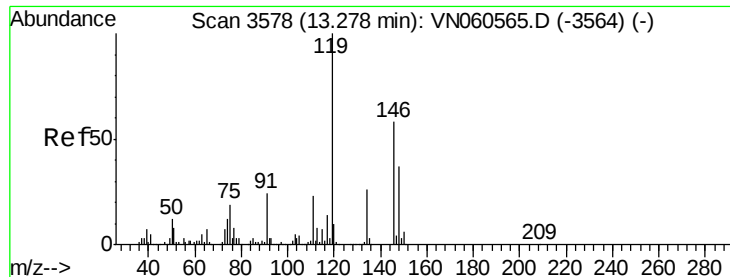
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 46.947 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060706.D

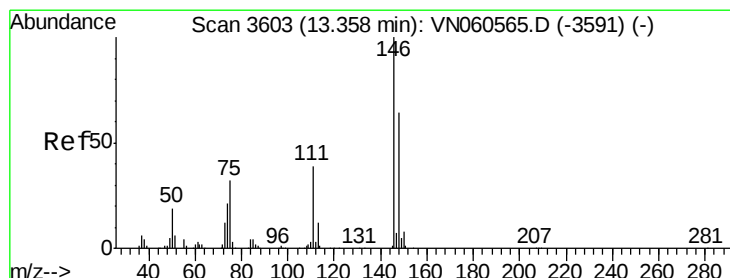
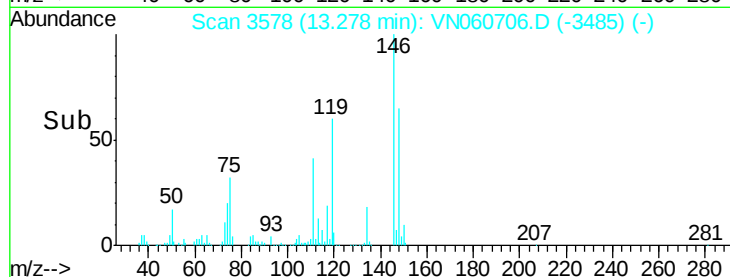
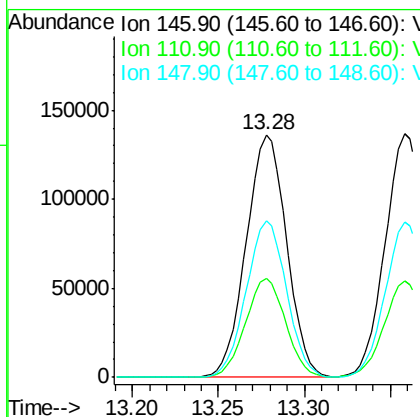
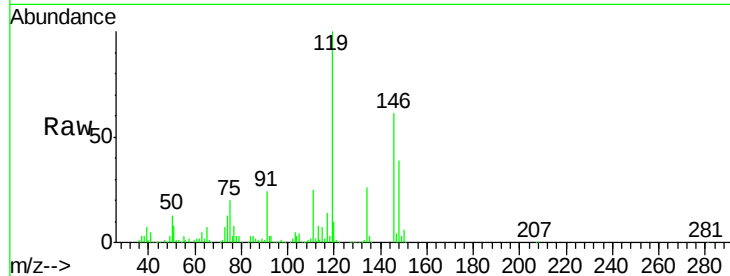
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	64.6	32.5	97.4

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#88

1,4-Dichlorobenzene

Concen: 46.767 ug/l

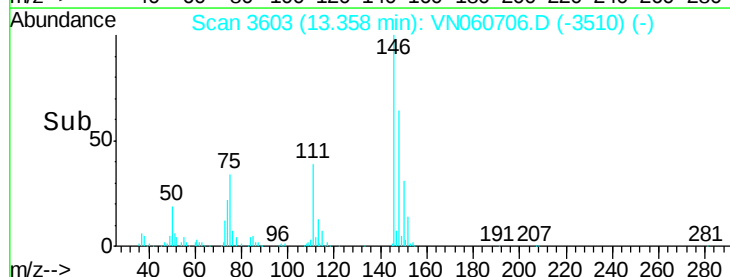
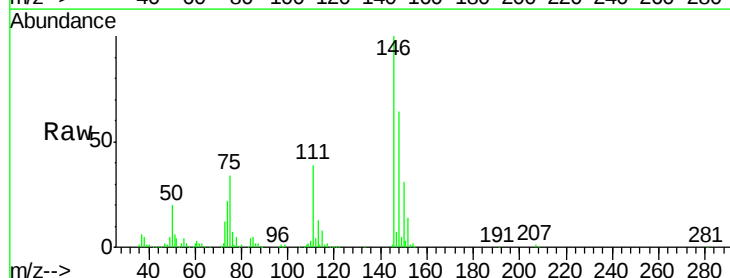
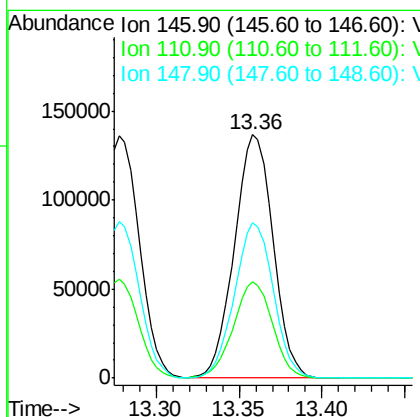
RT: 13.36 min Scan# 3603

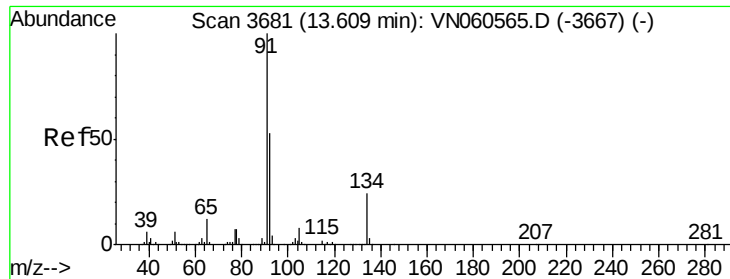
Delta R.T. -0.00 min

Lab File: VN060706.D

Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.7
148	64.1	32.1	96.3





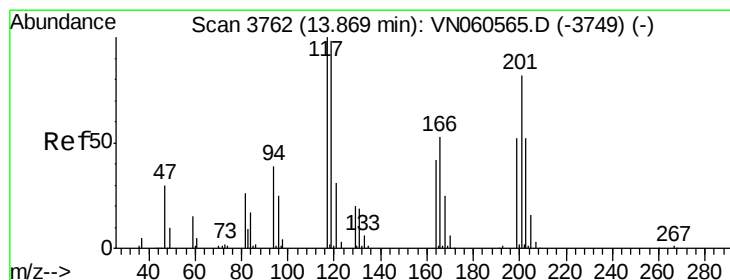
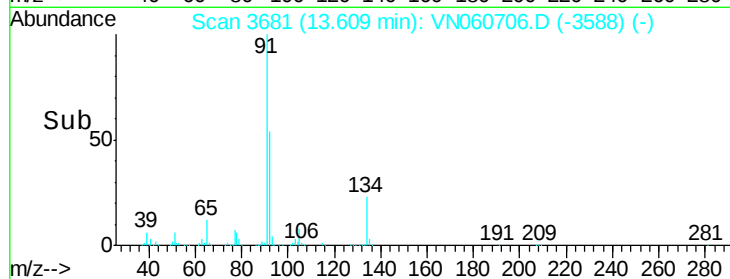
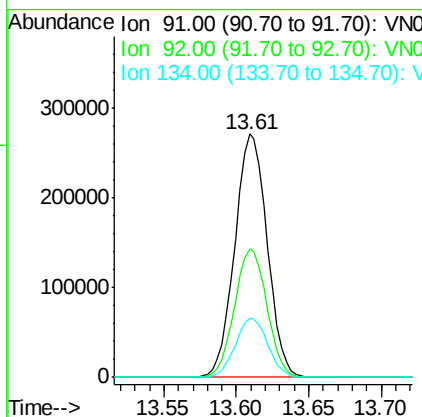
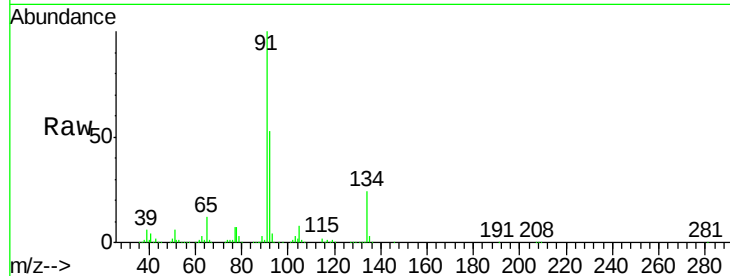
#89
n-Butylbenzene
Concen: 49.152 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	24.3	12.3	36.9

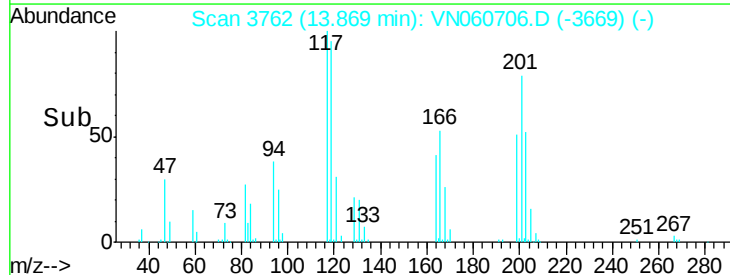
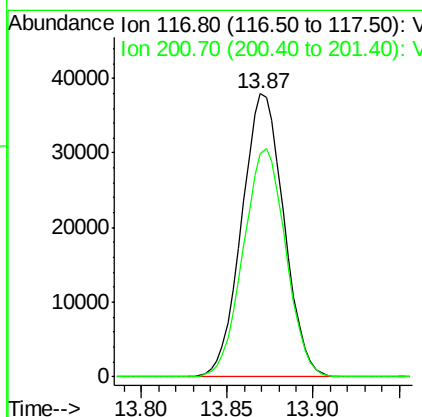
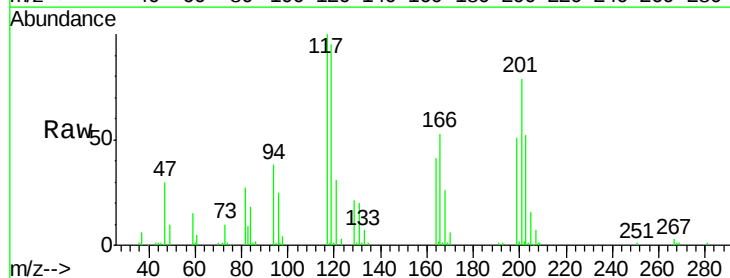
Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#90
Hexachloroethane
Concen: 47.037 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.8	122.5





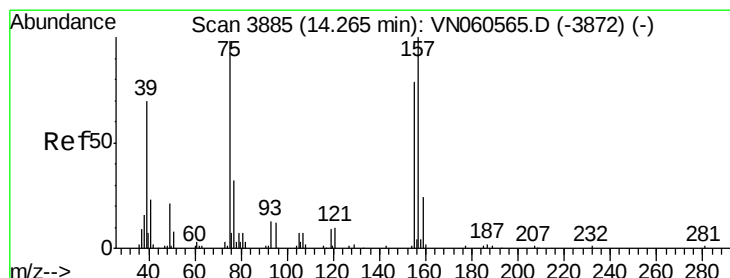
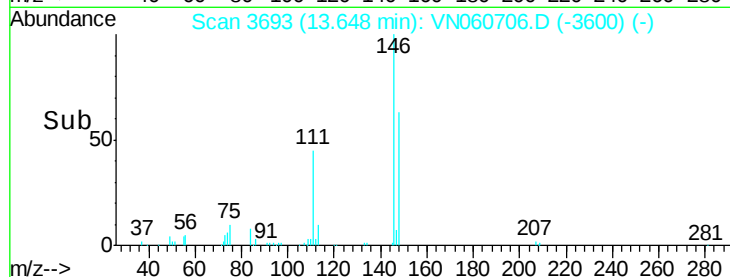
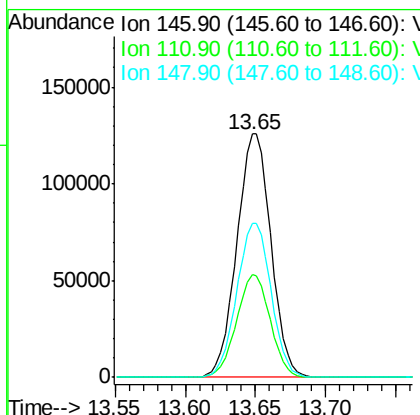
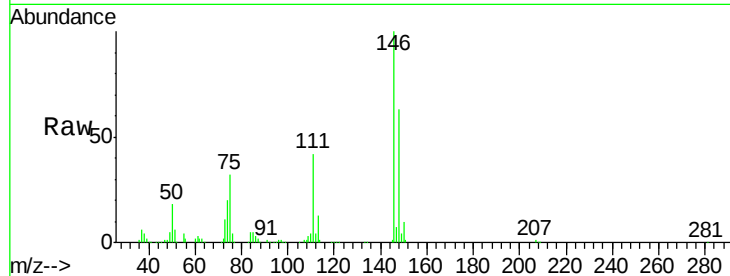
#91
 1,2-Dichlorobenzene
 Concen: 47.224 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.6	31.9	95.5

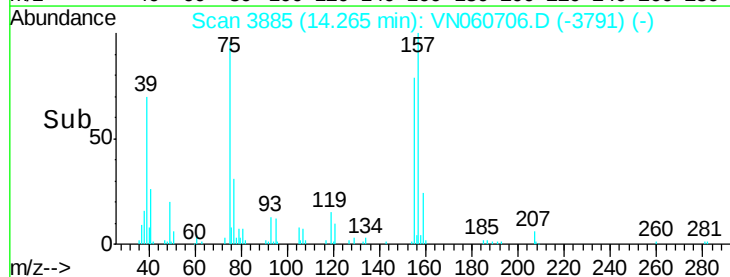
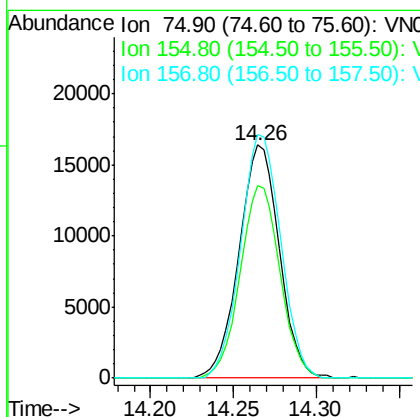
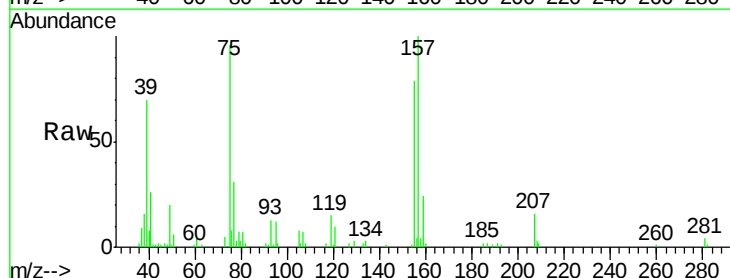
Manual Integrations
 APPROVED

apatel
 3/27/2020 10:11:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.309 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	40.7	122.1
157	103.7	51.5	154.7





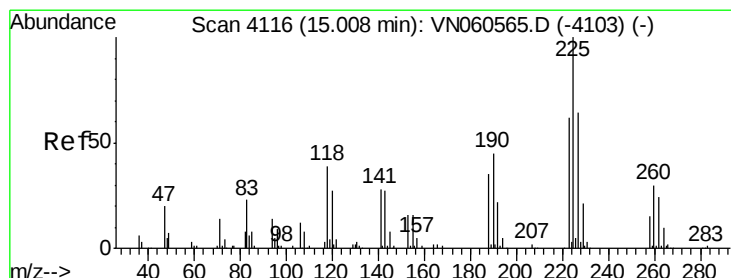
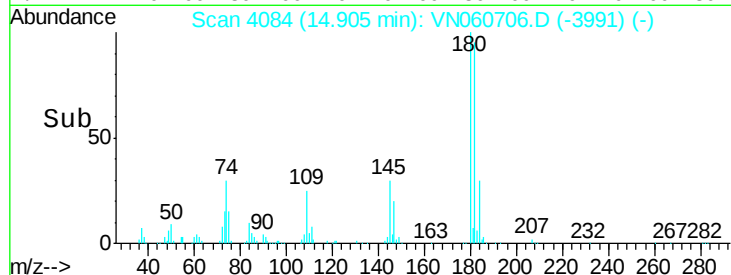
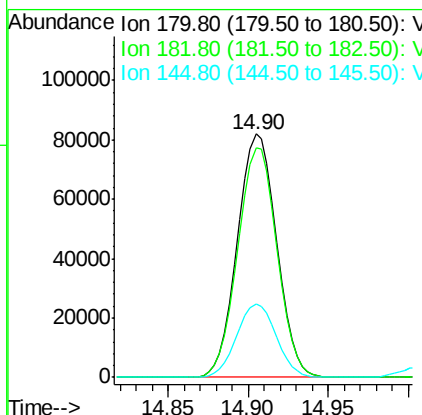
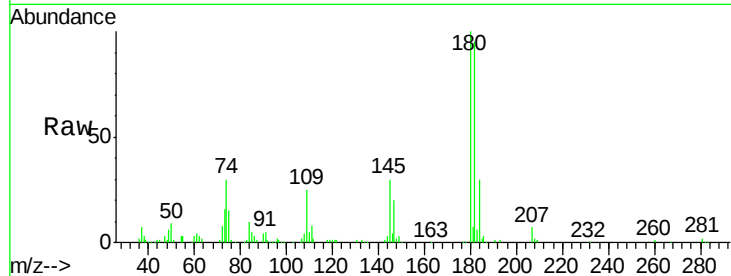
#93
 1,2,4-Trichlorobenzene
 Concen: 49.334 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136763		
182	94.6	47.9	143.8	
145	30.4	15.4	46.2	

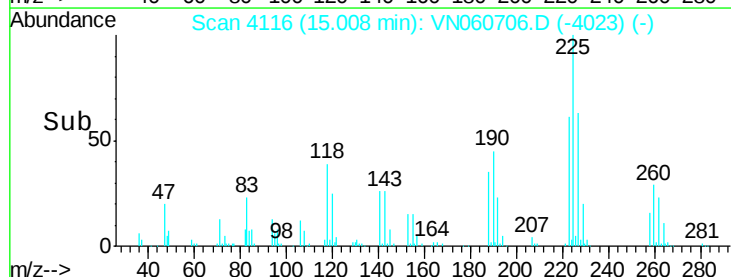
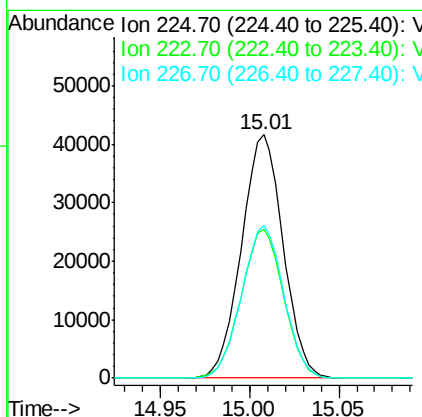
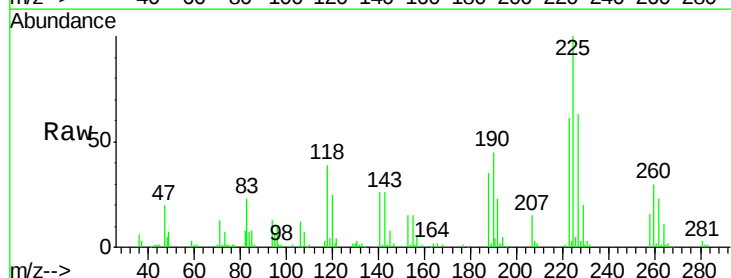
Manual Integrations
 APPROVED

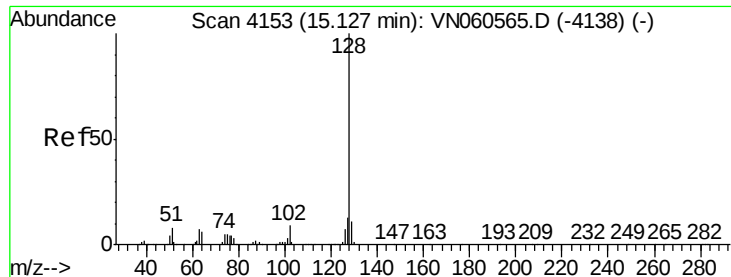
apatel
 3/27/2020 10:11:08 AM



#94
 Hexachlorobutadiene
 Concen: 49.869 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060706.D
 Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67771		
223	62.1	31.6	95.0	
227	63.1	32.3	96.8	





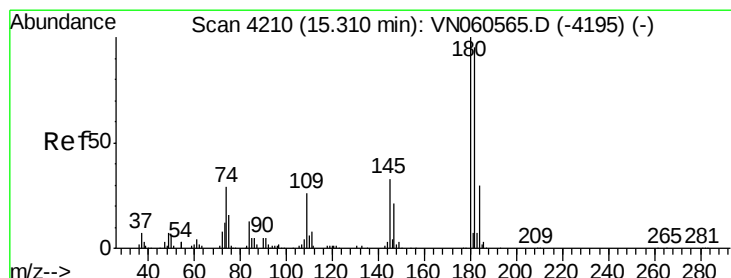
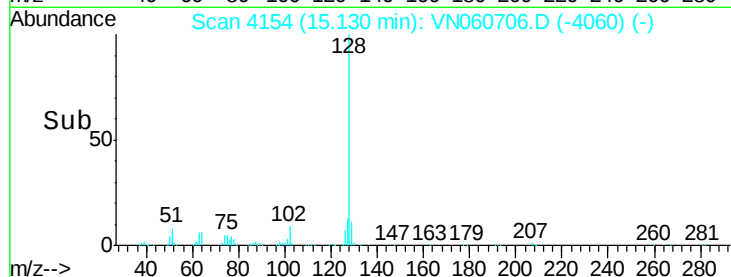
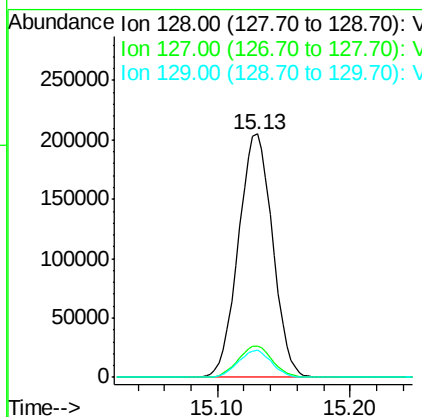
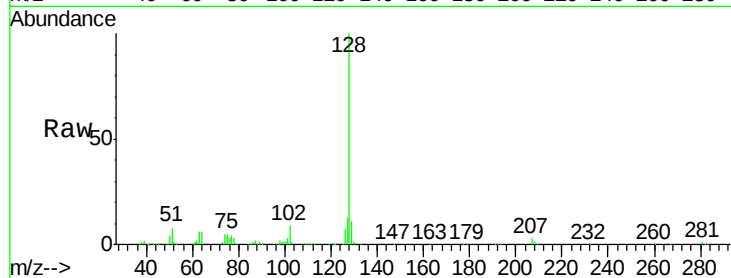
#95
Naphthalene
Concen: 43.939 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.618 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060706.D
Acq: 26 Mar 2020 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	32.4	16.3	48.8

