

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060406.D
 Acq On : 10 Mar 2020 10:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM

Quant Time: Mar 11 06:51:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128144	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.56	113	93455	62.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.58%	
50) Toluene-d8	10.08	98	378635	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	145579	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	75936	41.931	ug/l	98
3) Chloromethane	2.03	50	138151	43.817	ug/l	98
4) Vinyl Chloride	2.16	62	114368	42.296	ug/l	100
5) Bromomethane	2.54	94	44825	40.739	ug/l	98
6) Chloroethane	2.68	64	63861	43.590	ug/l	95
7) Trichlorofluoromethane	3.00	101	153450	44.417	ug/l	99
8) Diethyl Ether	3.38	74	60313	46.238	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90817	46.449	ug/l	99
10) Methyl Iodide	3.93	142	73390	41.128	ug/l	100
11) Tert butyl alcohol	4.73	59	94963	252.361	ug/l	100
12) 1,1-Dichloroethene	3.71	96	87617	46.167	ug/l	100
13) Acrolein	3.57	56	97426	277.526	ug/l	99
14) Allyl chloride	4.29	41	152231	43.509	ug/l	91
15) Acrylonitrile	4.94	53	261422	263.570	ug/l	99
16) Acetone	3.78	43	209214	255.646	ug/l	99
17) Carbon Disulfide	4.03	76	218241	43.243	ug/l	99
18) Methyl Acetate	4.28	43	135402	49.579	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	337802	49.030	ug/l	99
20) Methylene Chloride	4.52	84	103728	46.152	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	95444	46.786	ug/l	99
22) Diisopropyl ether	5.91	45	360440	50.858	ug/l	99
23) Vinyl Acetate	5.86	43	1441582	255.977	ug/l	99
24) 1,1-Dichloroethane	5.82	63	197267	49.172	ug/l	99
25) 2-Butanone	6.80	43	350321	265.020	ug/l	98
26) 2,2-Dichloropropane	6.80	77	176004	48.191	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	117735	45.177	ug/l	98
28) Bromochloromethane	7.17	49	80887	49.107	ug/l	97
29) Tetrahydrofuran	7.18	42	235251	255.931	ug/l	99
30) Chloroform	7.35	83	197590	49.476	ug/l	98
31) Cyclohexane	7.63	56	166477	48.590	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	171482	48.463	ug/l	99
36) 1,1-Dichloropropene	7.77	75	141091	46.166	ug/l	99
37) Ethyl Acetate	6.89	43	148815	51.425	ug/l	99
38) Carbon Tetrachloride	7.75	117	141522	47.562	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060406.D
 Acq On : 10 Mar 2020 10:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM

Quant Time: Mar 11 06:51:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163544	45.386	ug/l	96
40) Benzene	8.02	78	433833	48.772	ug/l	99
41) Methacrylonitrile	7.14	41	60974m	45.633	ug/l	
42) 1,2-Dichloroethane	8.10	62	158854	49.489	ug/l	99
43) Isopropyl Acetate	8.14	43	261969	51.710	ug/l	99
44) Trichloroethene	8.82	130	116413	46.991	ug/l	99
45) 1,2-Dichloropropane	9.10	63	120422	51.780	ug/l	99
46) Dibromomethane	9.19	93	73725	48.855	ug/l	99
47) Bromodichloromethane	9.39	83	158480	51.636	ug/l	99
48) Methyl methacrylate	9.18	41	116714	50.521	ug/l	99
49) 1,4-Dioxane	9.18	88	32869	1011.732	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	770438	268.221	ug/l	100
52) Toluene	10.14	92	272211	48.717	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	184607	49.088	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	191610	49.170	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	110816	49.317	ug/l	98
56) Ethyl methacrylate	10.42	69	170993	52.969	ug/l	98
57) 1,3-Dichloropropane	10.70	76	187285	51.108	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	432269	256.028	ug/l	99
59) 2-Hexanone	10.74	43	562708	266.815	ug/l	99
60) Dibromochloromethane	10.89	129	118414	51.819	ug/l	99
61) 1,2-Dibromoethane	11.00	107	110057	50.244	ug/l	99
64) Tetrachloroethene	10.62	164	119405	50.594	ug/l	99
65) Chlorobenzene	11.43	112	289226	47.769	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110943	49.557	ug/l	99
67) Ethyl Benzene	11.50	91	535214	48.541	ug/l	100
68) m/p-Xylenes	11.62	106	398860	95.879	ug/l	100
69) o-Xylene	11.94	106	195002	49.156	ug/l	99
70) Styrene	11.96	104	323474	49.596	ug/l	100
71) Bromoform	12.12	173	85510	52.998	ug/l #	99
73) Isopropylbenzene	12.24	105	526074	47.903	ug/l	99
74) N-amyl acetate	12.06	43	235979	49.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153584	51.449	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	134788m	41.463	ug/l	
77) Bromobenzene	12.52	156	127729	47.448	ug/l	98
78) n-propylbenzene	12.59	91	622799	48.381	ug/l	99
79) 2-Chlorotoluene	12.67	91	360316	47.617	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	446545	48.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	60326	51.227	ug/l #	85
82) 4-Chlorotoluene	12.77	91	377592	47.363	ug/l	99
83) tert-Butylbenzene	12.99	119	376158	46.988	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	445277	47.711	ug/l	99
85) sec-Butylbenzene	13.17	105	510376	47.609	ug/l	99
86) p-Isopropyltoluene	13.28	119	463587	46.722	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	231045	49.949	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	229270	49.846	ug/l	99
89) n-Butylbenzene	13.61	91	426420	46.816	ug/l	99
90) Hexachloroethane	13.87	117	65875	45.868	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	222647	47.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31966	47.286	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
Data File : VN060406.D
Acq On : 10 Mar 2020 10:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM

Quant Time: Mar 11 06:51:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142557	47.567	ug/l	100
94) Hexachlorobutadiene	15.01	225	67750	49.163	ug/l	99
95) Naphthalene	15.13	128	412706	46.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134437	47.618	ug/l	100

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

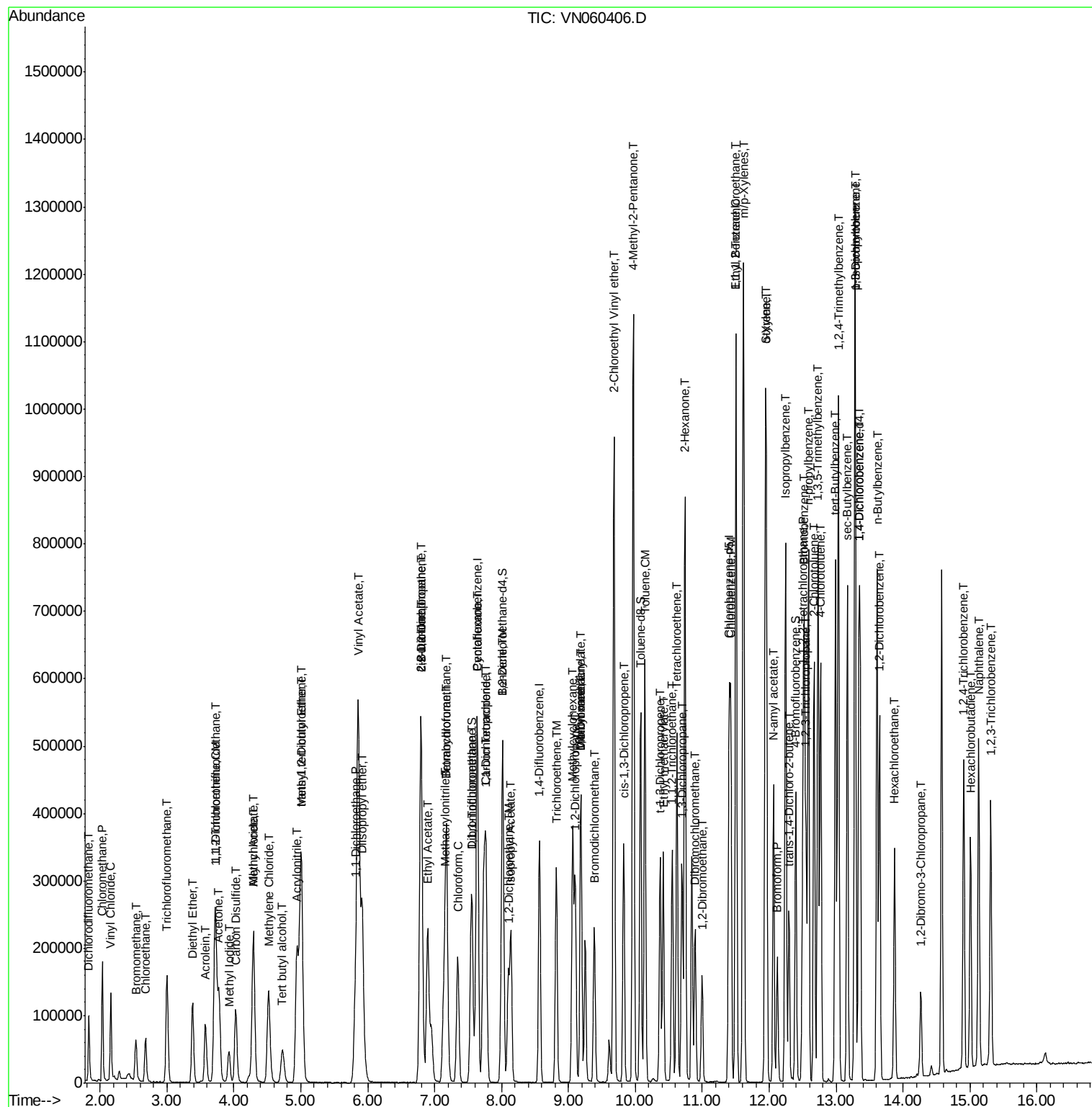
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031020\
Data File : VN060406.D
Acq On : 10 Mar 2020 10:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM

Quant Time: Mar 11 06:51:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 197520

Ion Ratio Lower Upper

168 100

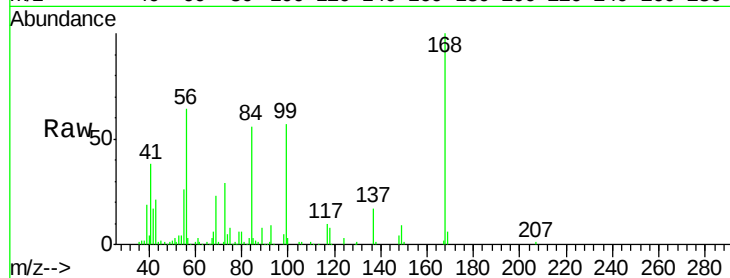
99 57.3 44.7 67.1

Manual Integrations

APPROVED

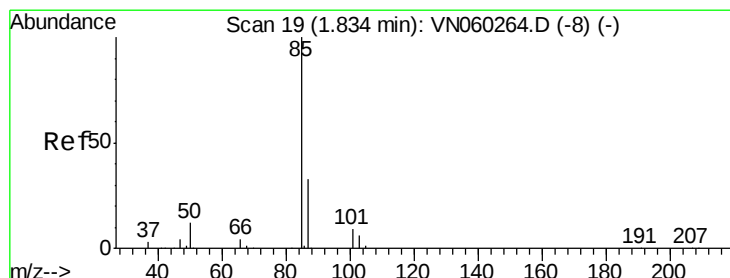
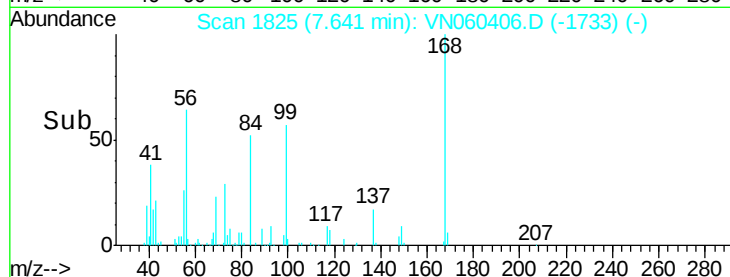
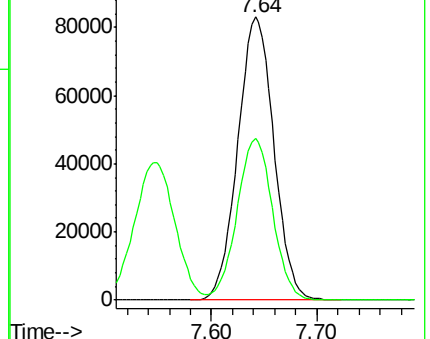
MMDadoda

3/11/2020 3:23:08 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.931 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060406.D

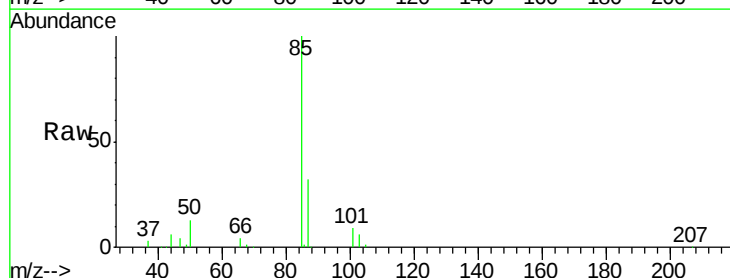
Acq: 10 Mar 2020 10:26

Tgt Ion: 85 Resp: 75936

Ion Ratio Lower Upper

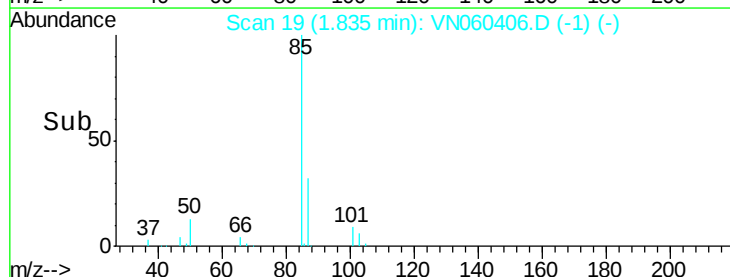
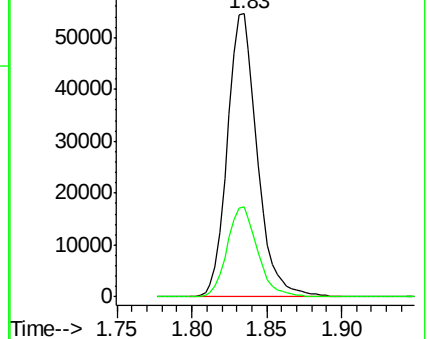
85 100

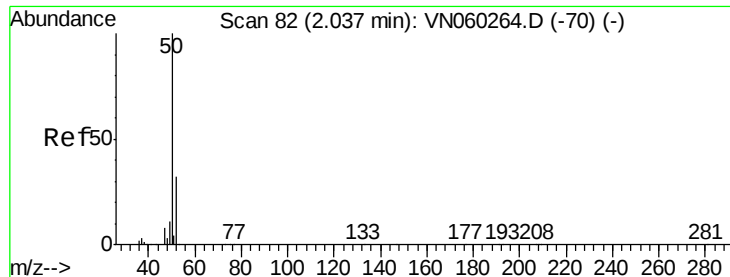
87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.817 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 138151

Ion Ratio Lower Upper

50 100

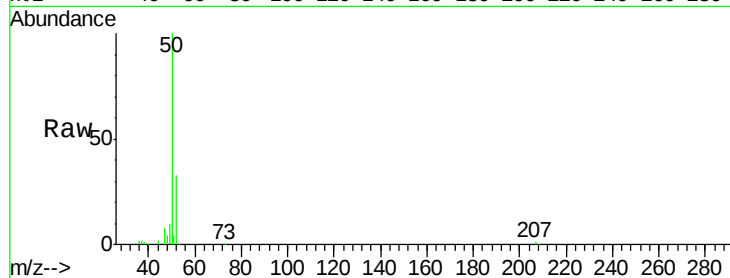
52 32.8 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:08 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

120000

100000

80000

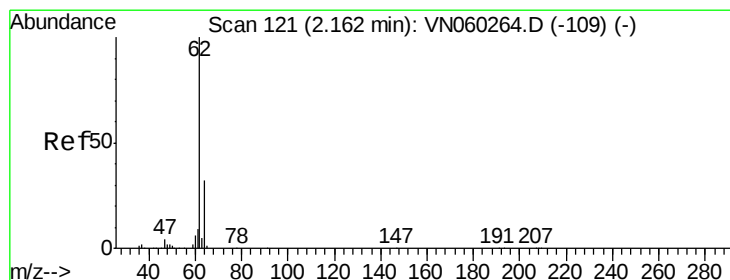
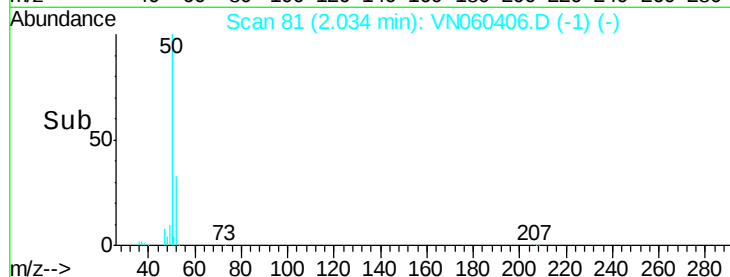
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 42.296 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN060406.D

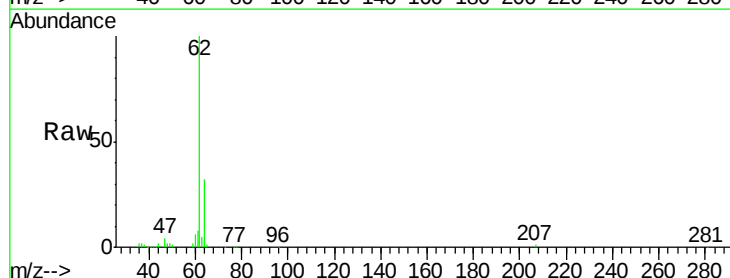
Acq: 10 Mar 2020 10:26

Tgt Ion: 62 Resp: 114368

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

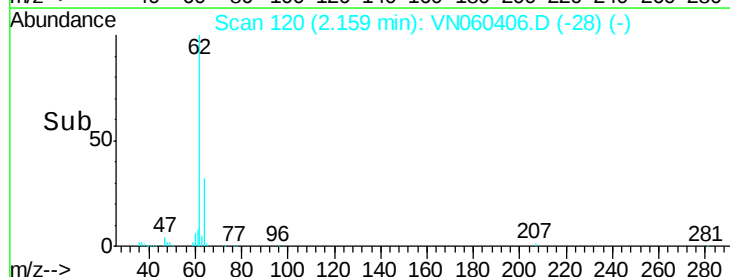
60000

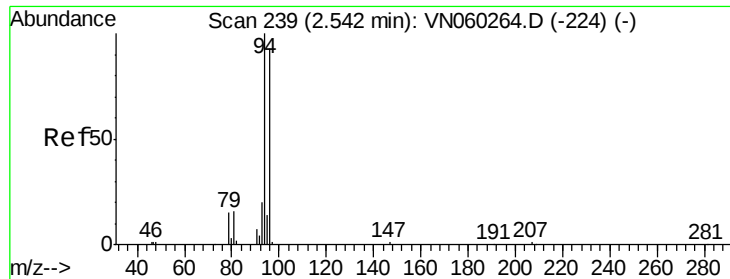
40000

20000

0

Time-->





#5

Bromomethane

Concen: 40.739 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 44825

Ion Ratio Lower Upper

94 100

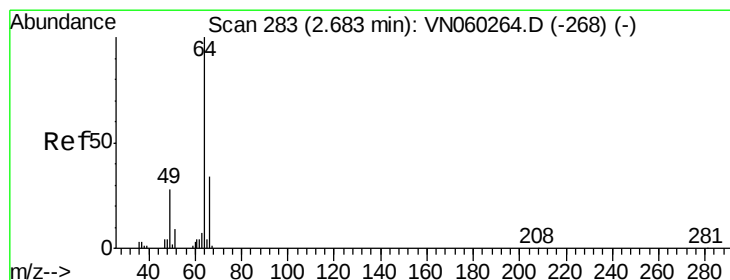
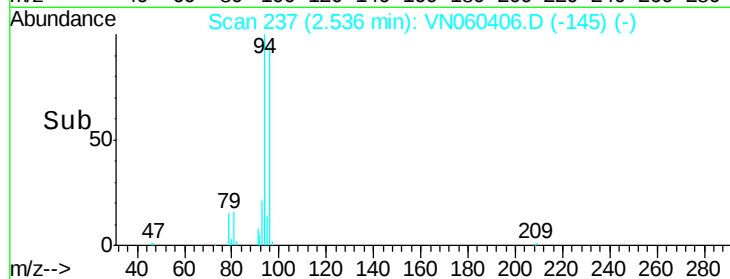
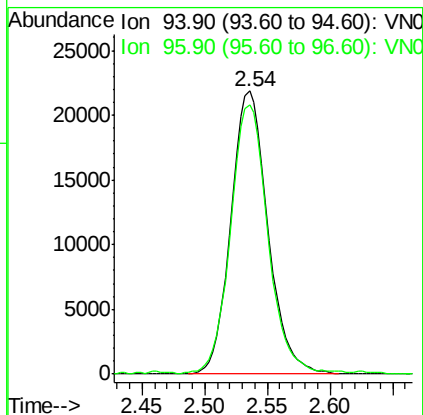
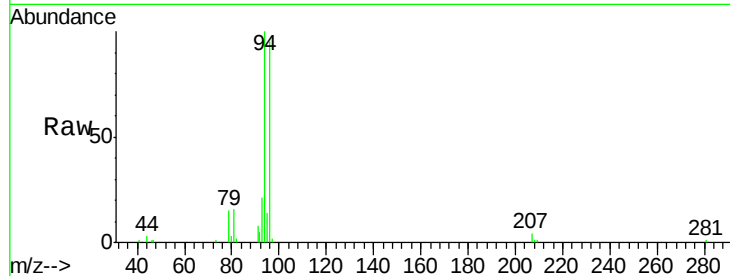
96 94.5 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:08 PM



#6

Chloroethane

Concen: 43.590 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060406.D

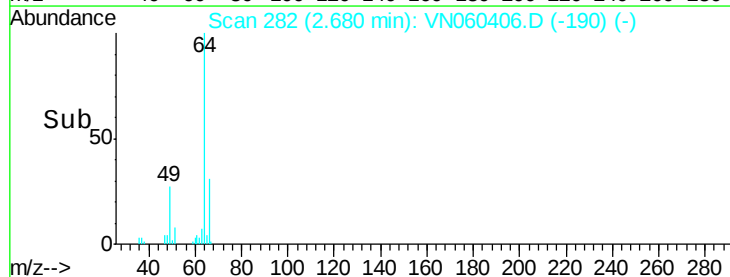
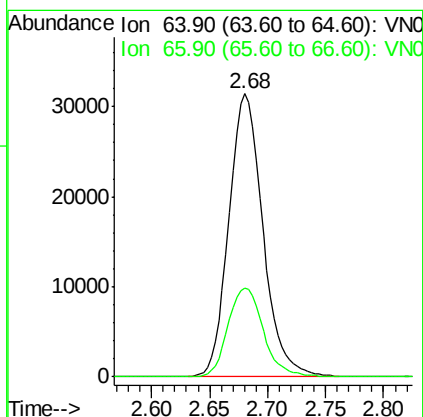
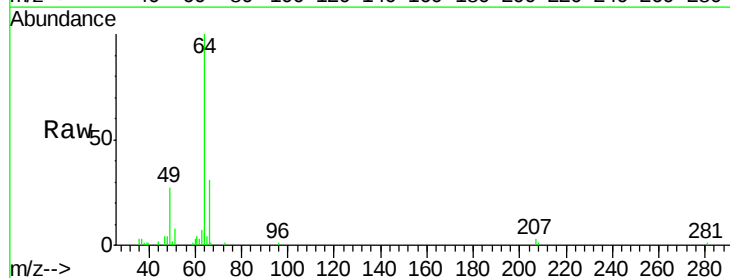
Acq: 10 Mar 2020 10:26

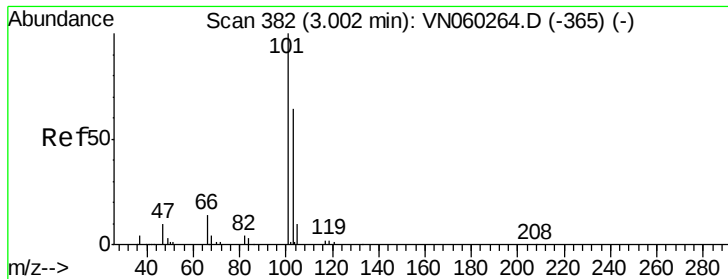
Tgt Ion: 64 Resp: 63861

Ion Ratio Lower Upper

64 100

66 31.4 27.4 41.2





#7

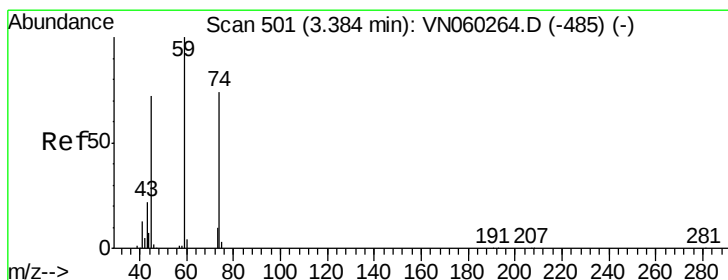
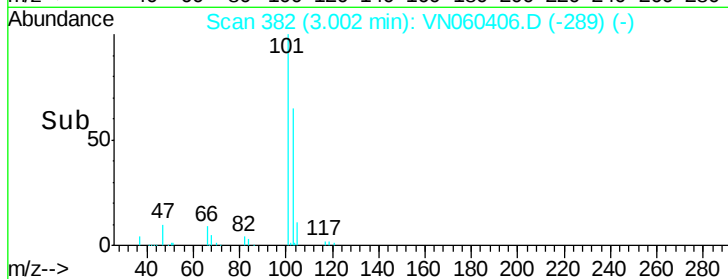
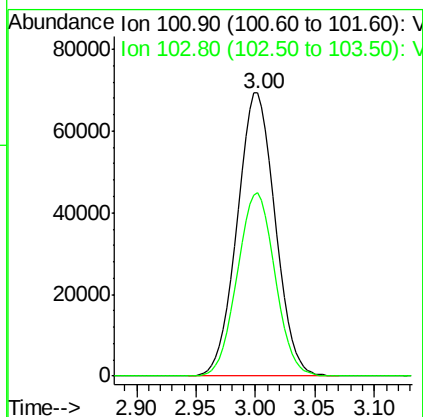
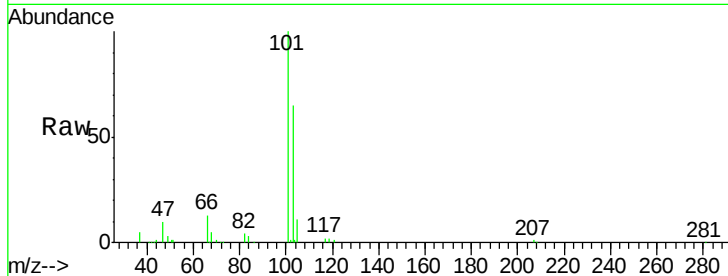
Trichlorofluoromethane
Concen: 44.417 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.3	76.9

Manual Integrations
APPROVED

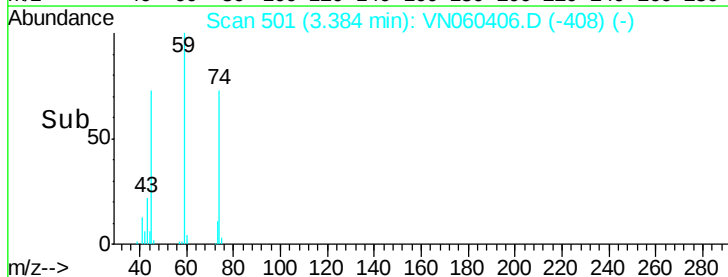
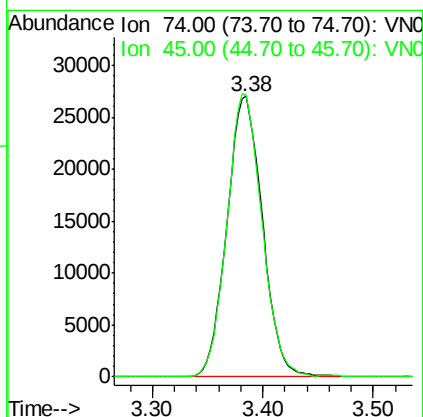
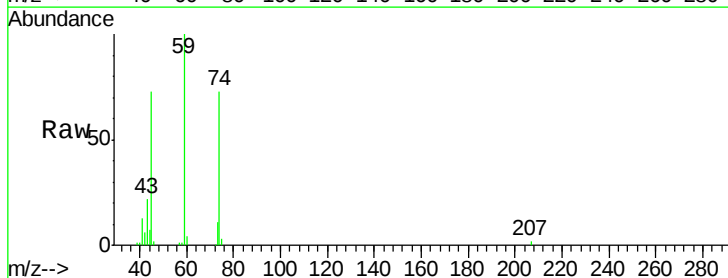
MMDadoda
3/11/2020 3:23:08 PM



#8

Diethyl Ether
Concen: 46.238 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.449 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

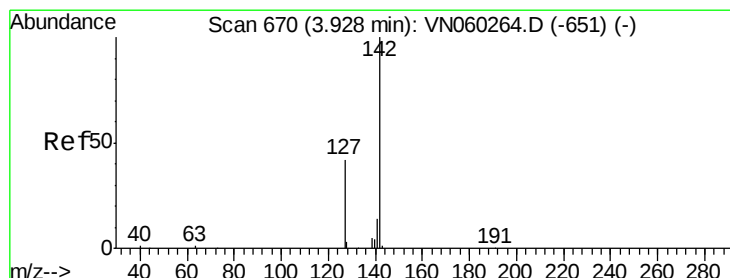
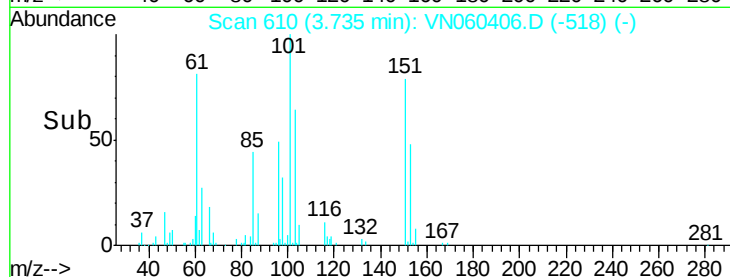
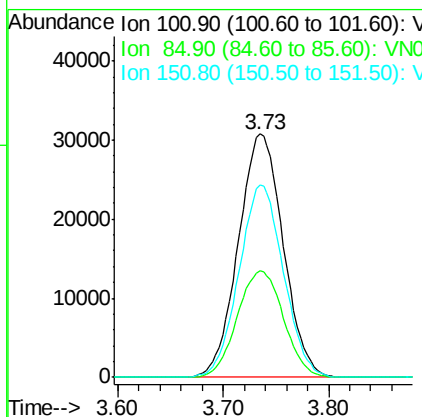
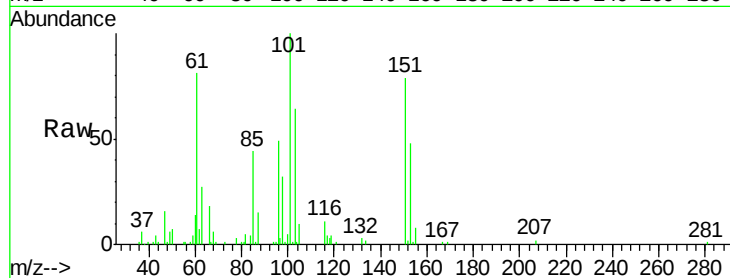
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	90817
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.4	53.2
151	78.4	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#10

Methyl Iodide

Concen: 41.128 ug/l

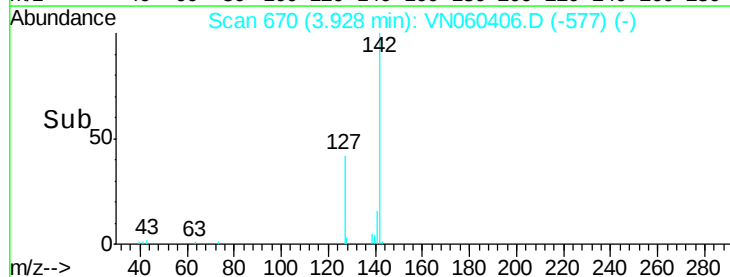
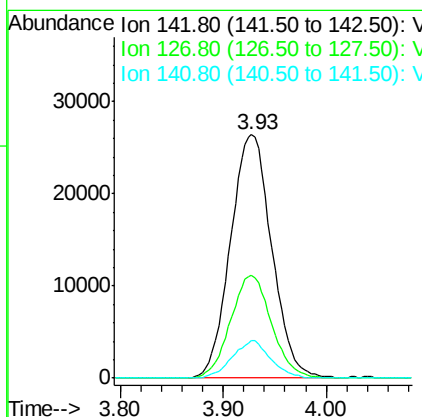
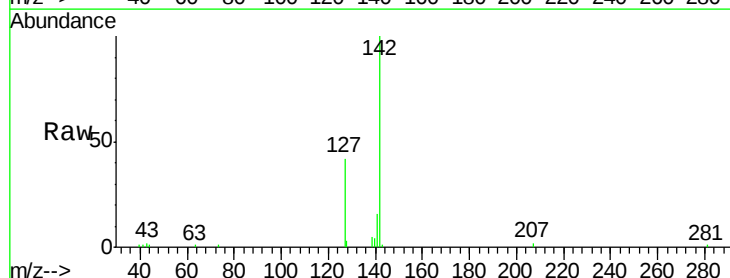
RT: 3.93 min Scan# 670

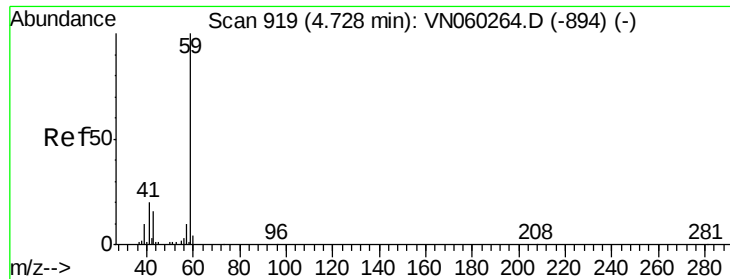
Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion:	142	Resp:	73390
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.8	50.6
141	14.2	11.1	16.7





#11

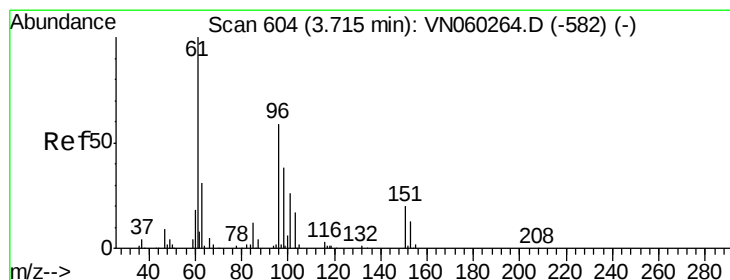
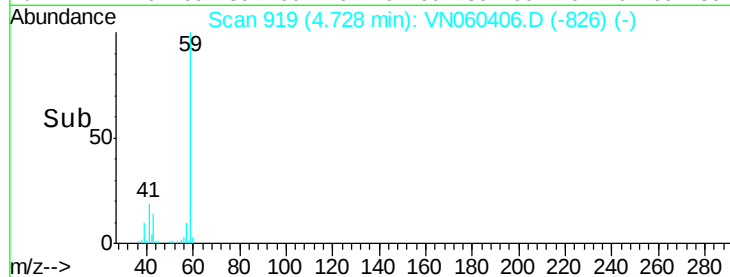
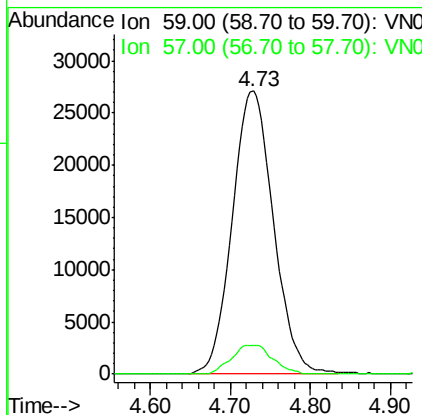
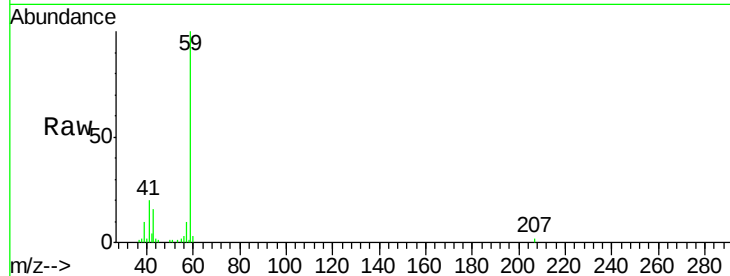
Tert butyl alcohol
 Concen: 252.361 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
 APPROVED

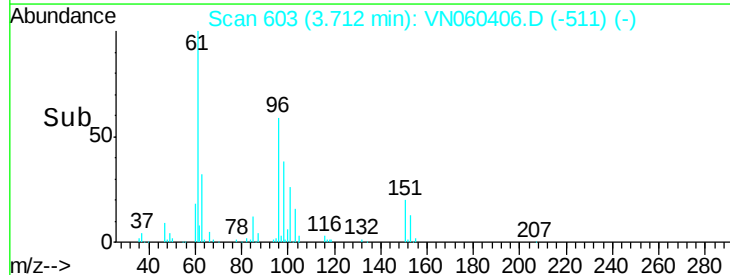
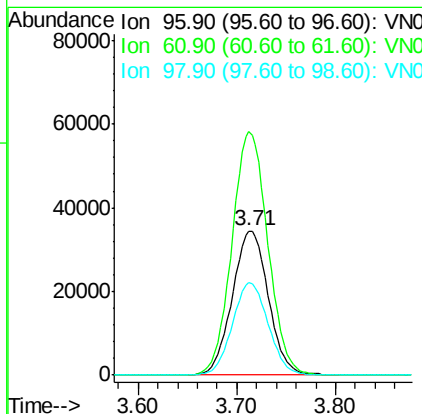
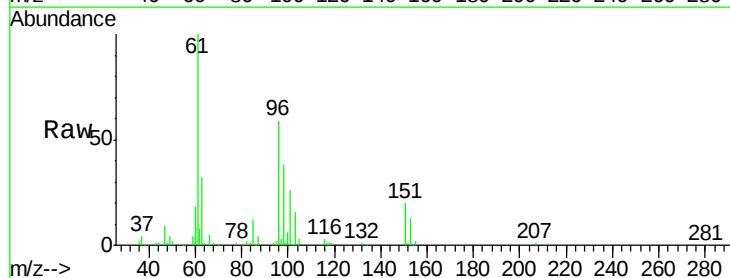
MMDadoda
 3/11/2020 3:23:08 PM



#12

1,1-Dichloroethene
 Concen: 46.167 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.8	135.4	203.0
98	64.1	51.6	77.4





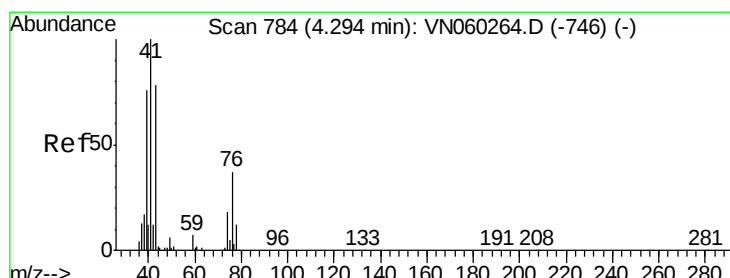
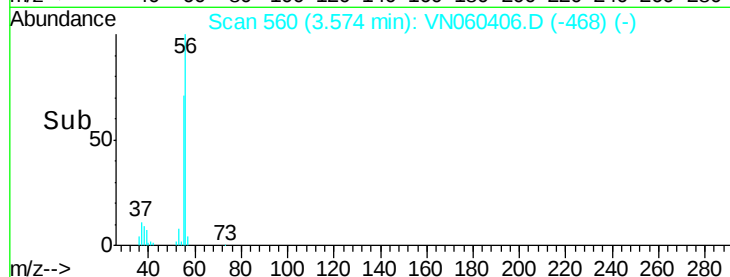
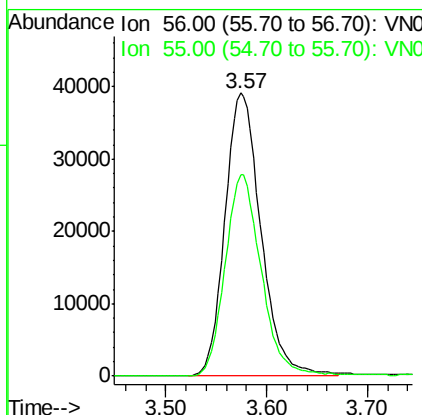
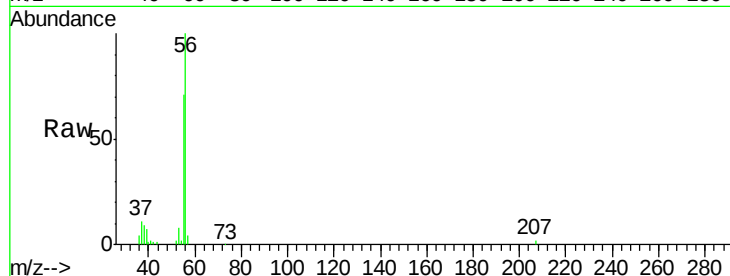
#13
Acrolein
Concen: 277.526 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	97426
Ion Ratio	Lower	Upper	
56	100		
55	70.9	57.4	86.0

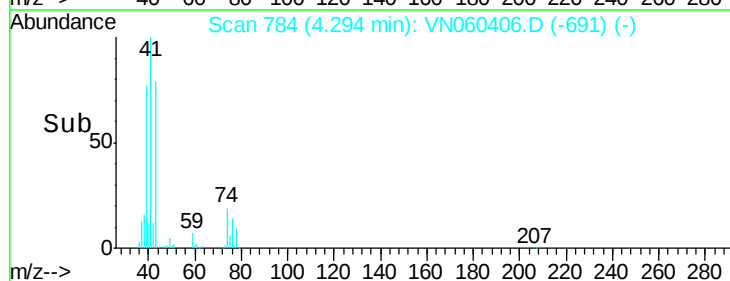
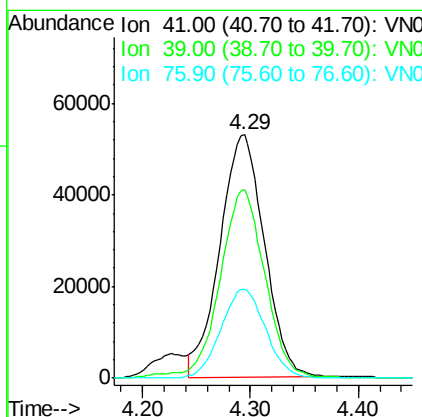
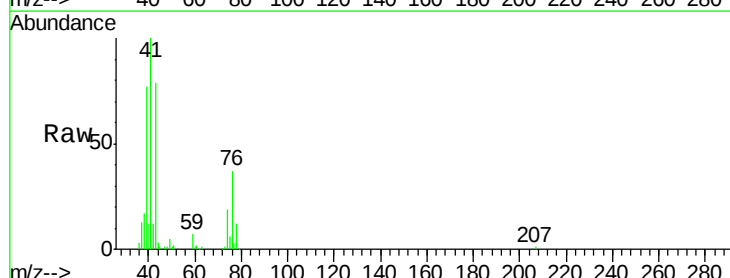
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#14
Allyl chloride
Concen: 43.509 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	41	Resp	152231
Ion Ratio	Lower	Upper	
41	100		
39	78.5	55.4	83.2
76	36.8	27.0	40.6





#15

Acrylonitrile

Concen: 263.570 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

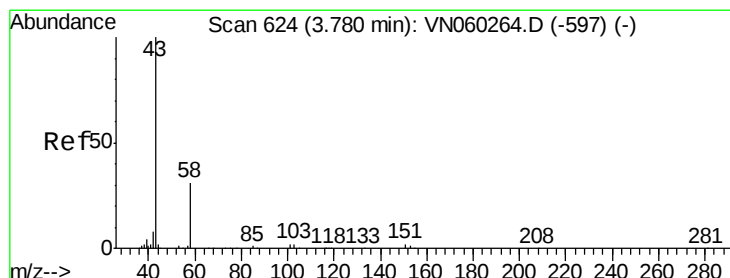
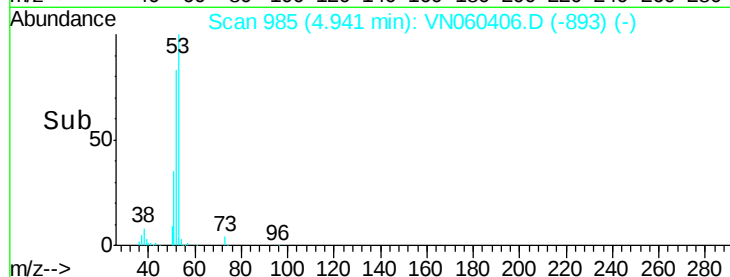
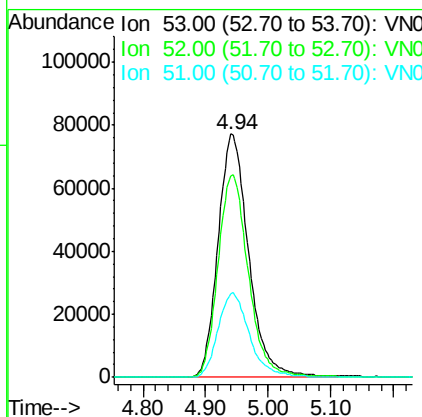
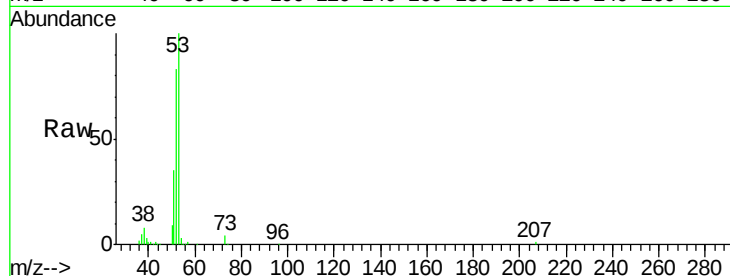
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	261422
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.8	100.2
51	35.8	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#16

Acetone

Concen: 255.646 ug/l

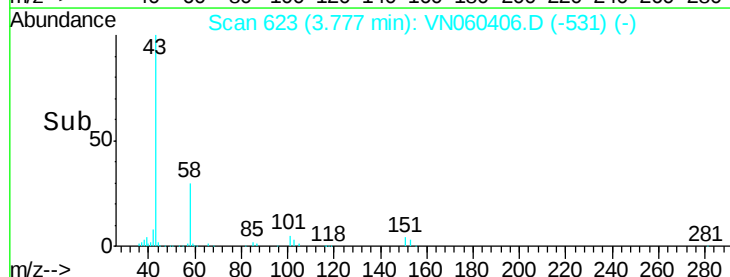
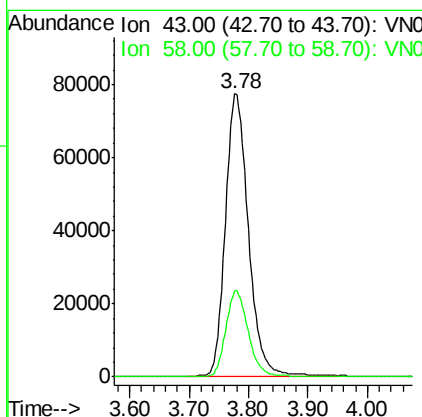
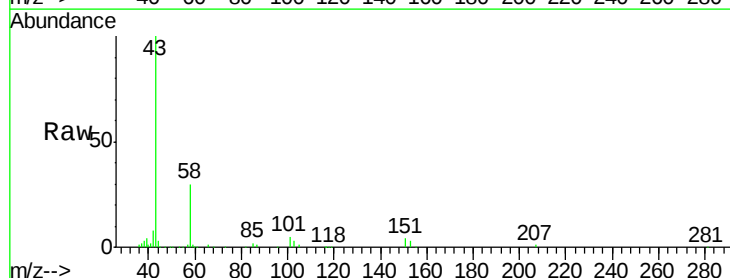
RT: 3.78 min Scan# 623

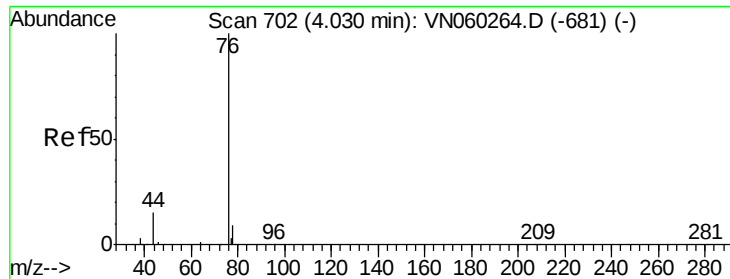
Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion:	43	Resp:	209214
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	36.8





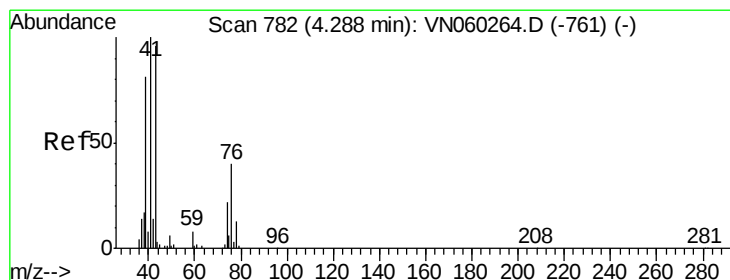
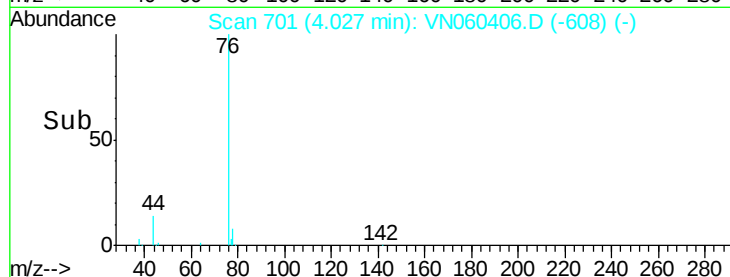
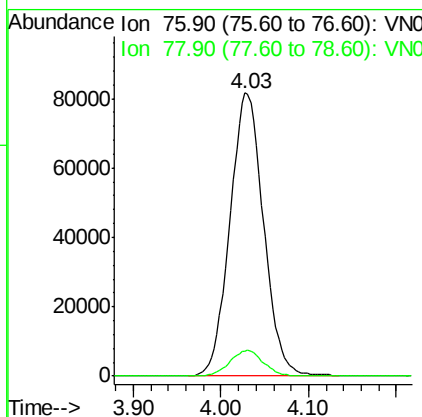
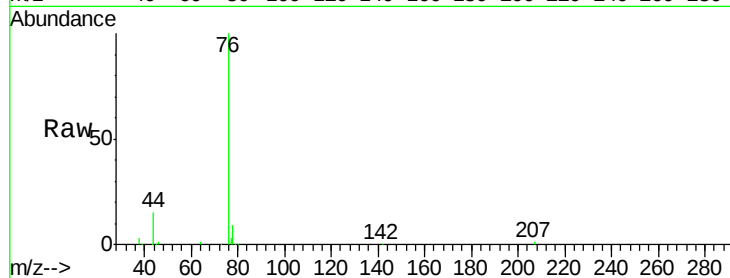
#17
Carbon Disulfide
Concen: 43.243 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

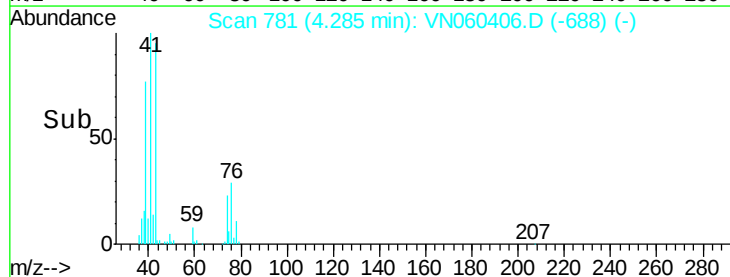
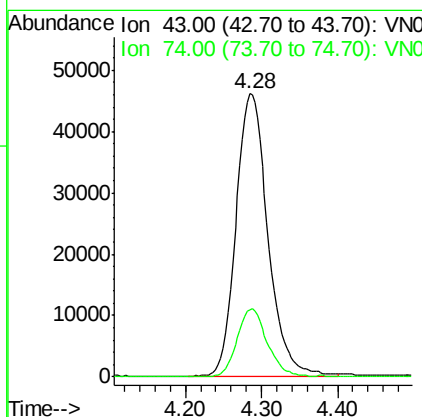
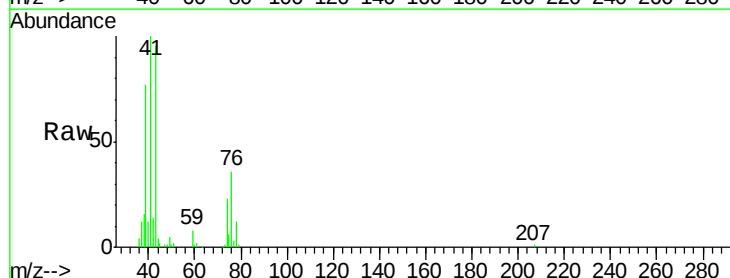
Manual Integrations
APPROVED

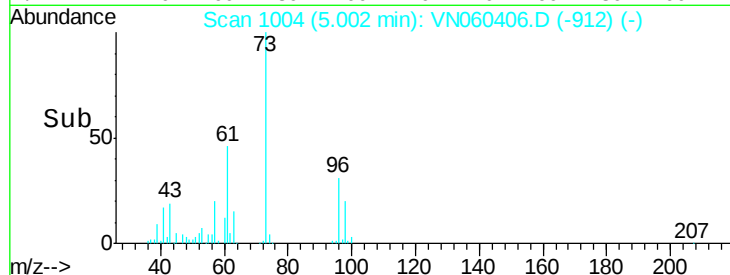
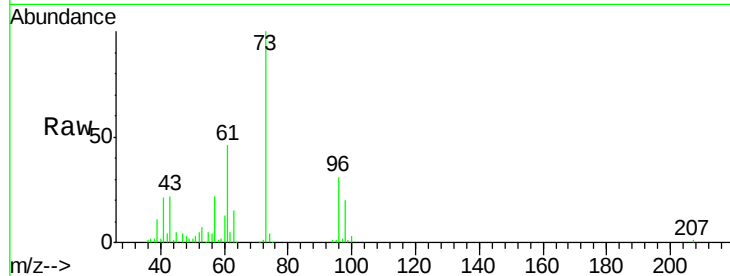
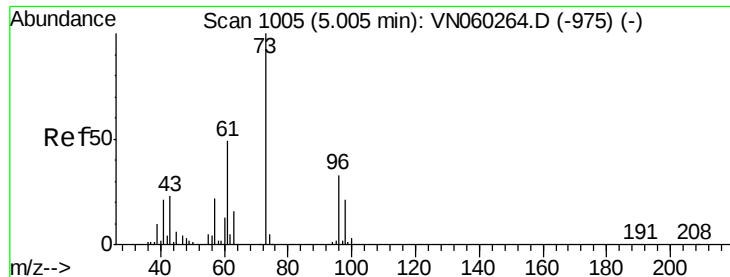
MMDadoda
3/11/2020 3:23:08 PM



#18
Methyl Acetate
Concen: 49.579 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.8	28.2





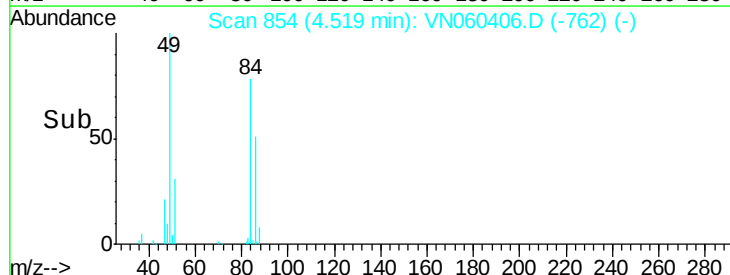
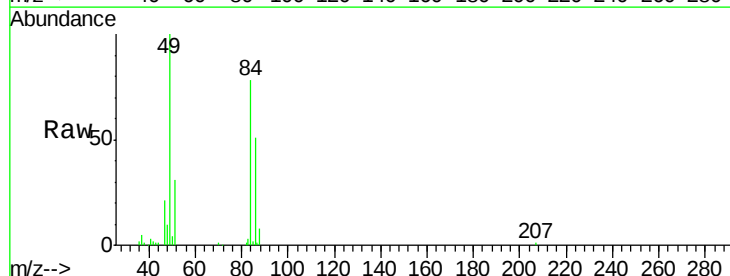
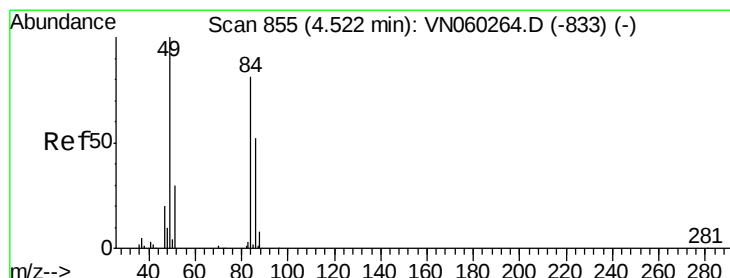
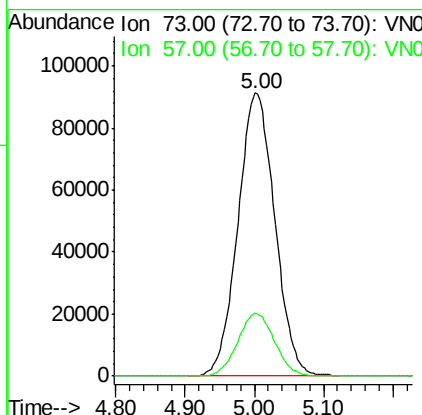
#19
Methvl tert-butvl Ether
Concen: 49.030 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tot Ion: 73 Resp: 337802
Ion Ratio Lower Upper
73 100
57 22.2 17.3 25.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

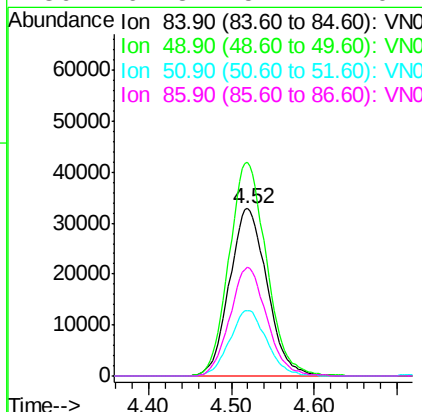
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#20
Methylene Chloride
Concen: 46.152 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 84 Resp: 103728
Ion Ratio Lower Upper
84 100
49 127.7 99.3 148.9
51 39.1 30.1 45.1
86 64.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 46.786 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

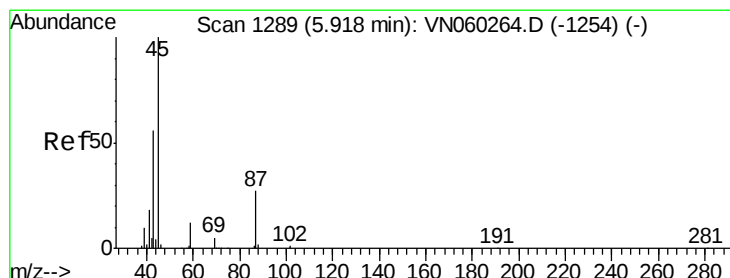
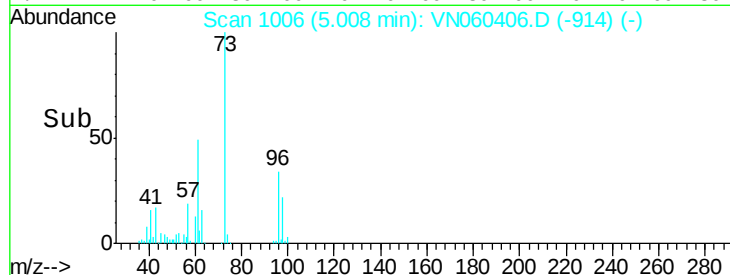
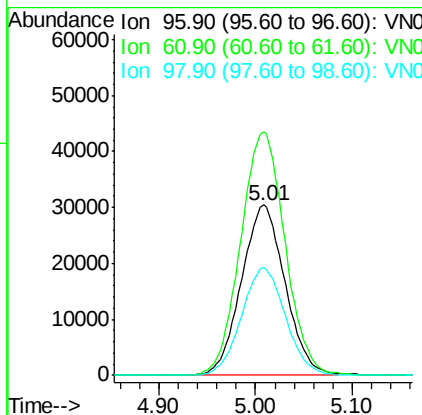
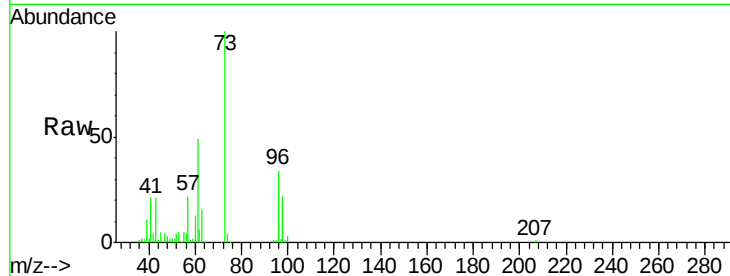
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	95444
Ion	Ratio	Lower	Upper
96	100		
61	143.0	113.8	170.8
98	63.4	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#22

Diisopropyl ether

Concen: 50.858 ug/l

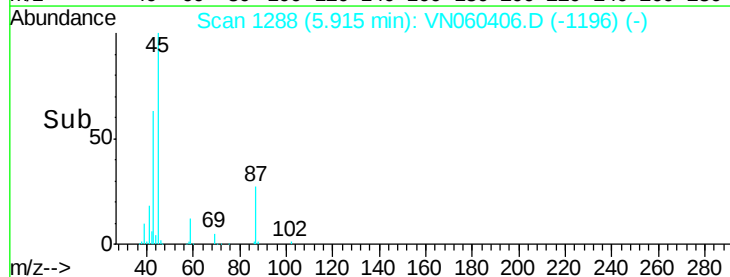
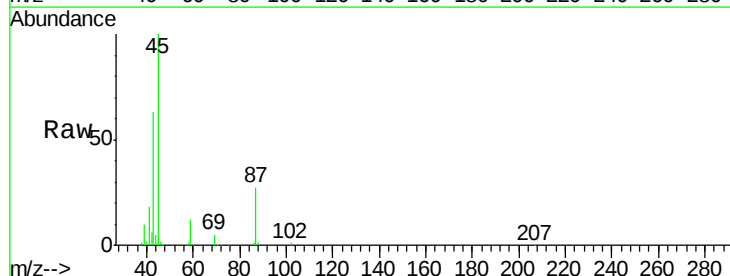
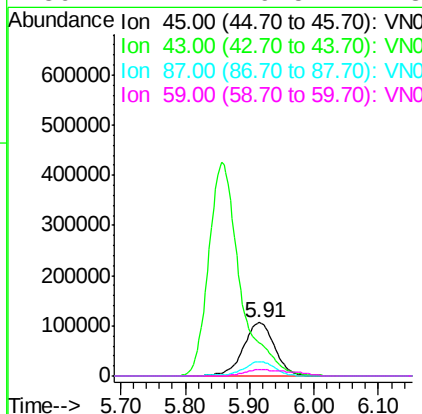
RT: 5.91 min Scan# 1288

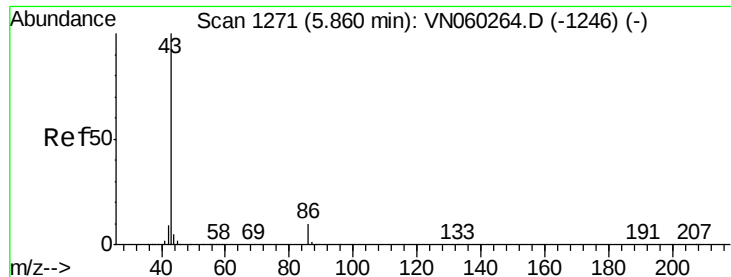
Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion:	45	Resp:	360440
Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.6	72.8
87	26.7	22.2	33.2
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 255.977 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1441582

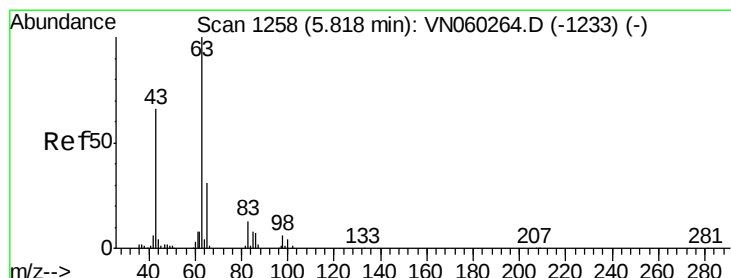
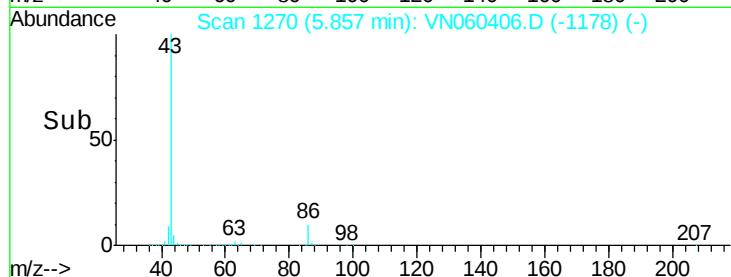
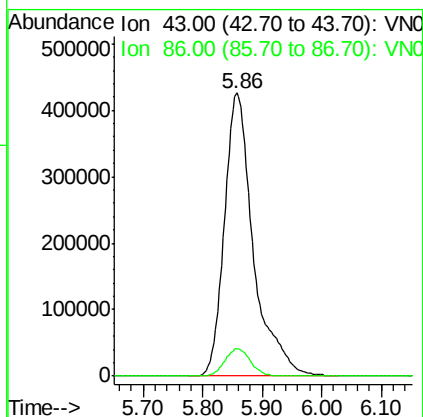
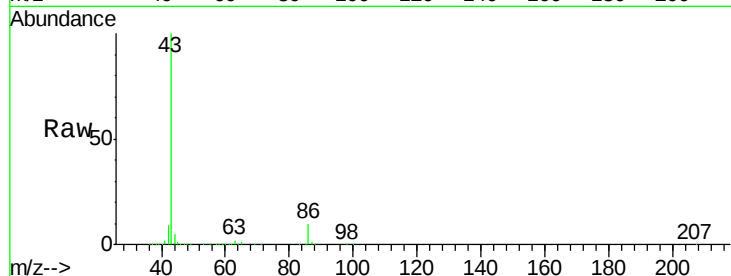
Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#24

1,1-Dichloroethane

Concen: 49.172 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

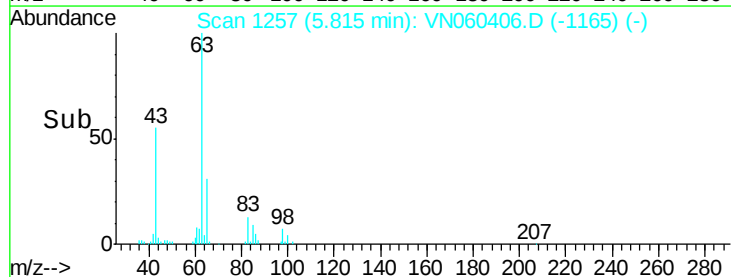
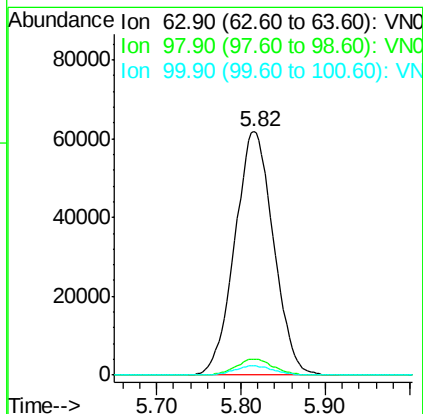
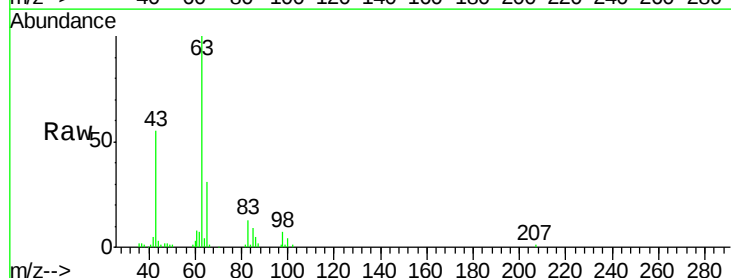
Tgt Ion: 63 Resp: 197267

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 265.020 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 350321

Ion Ratio Lower Upper

43 100

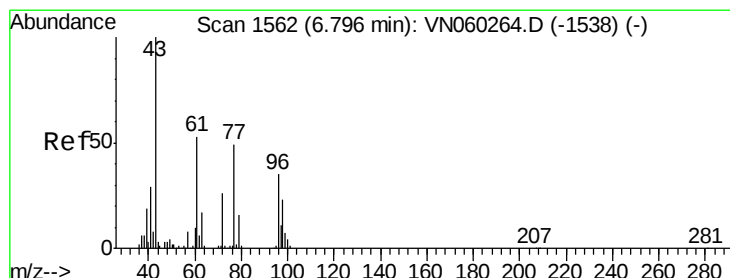
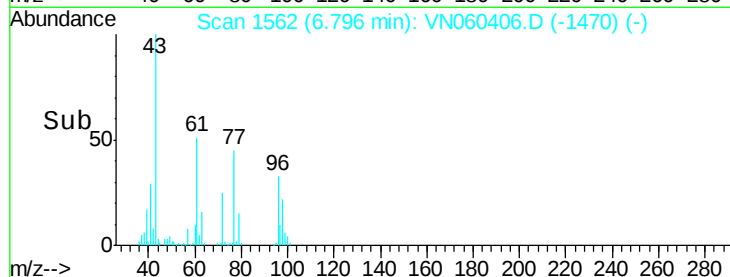
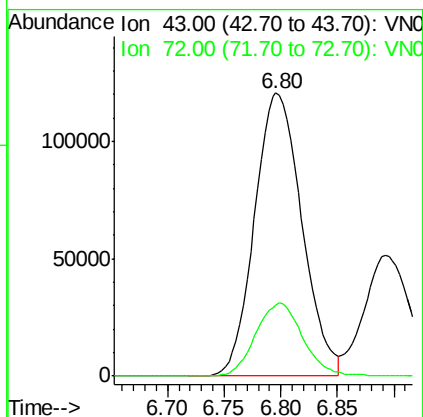
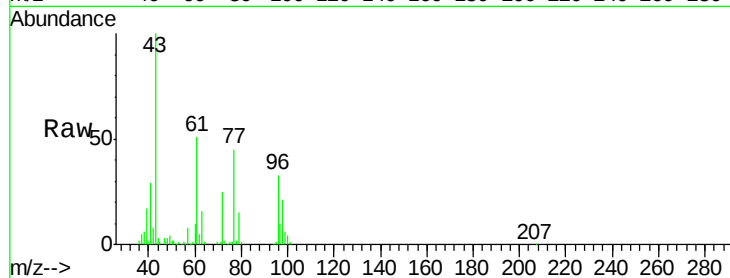
72 25.2 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:08 PM



#26

2,2-Dichloropropane

Concen: 48.191 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060406.D

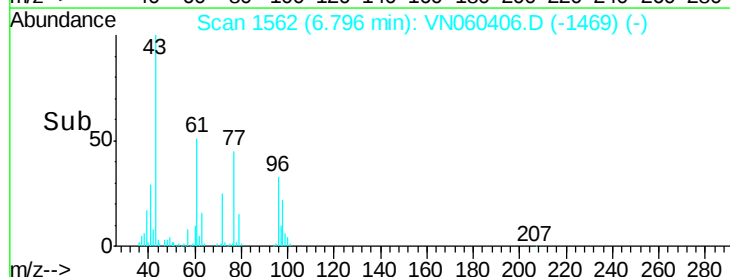
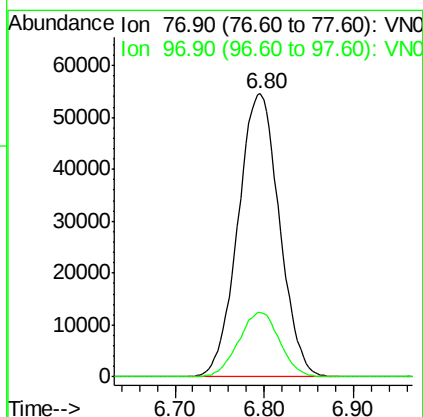
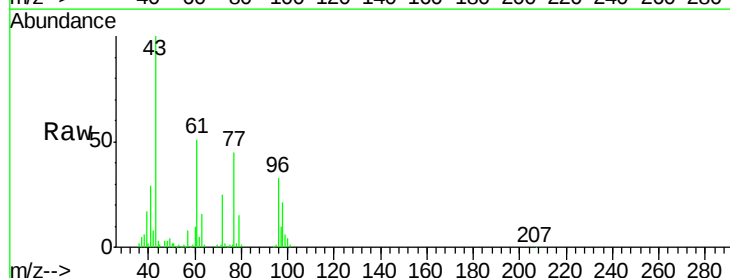
Acq: 10 Mar 2020 10:26

Tgt Ion: 77 Resp: 176004

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.177 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

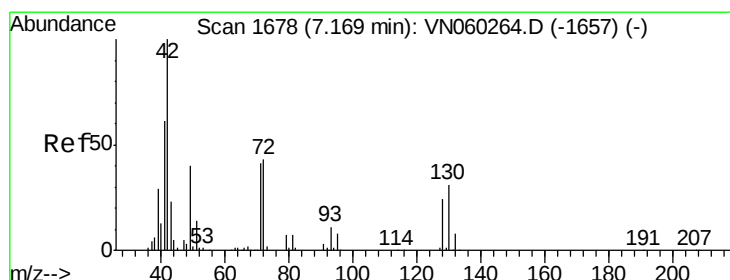
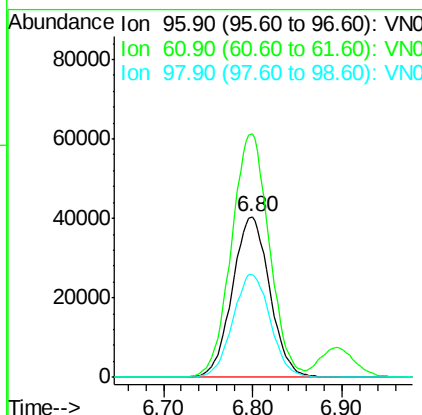
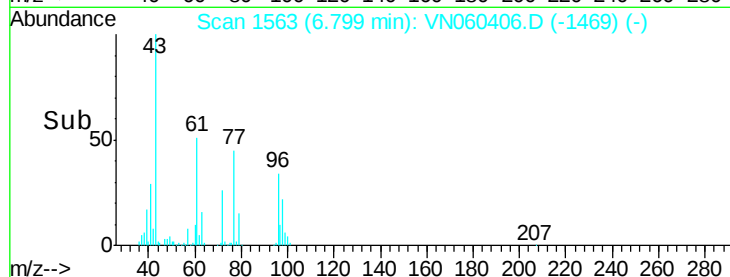
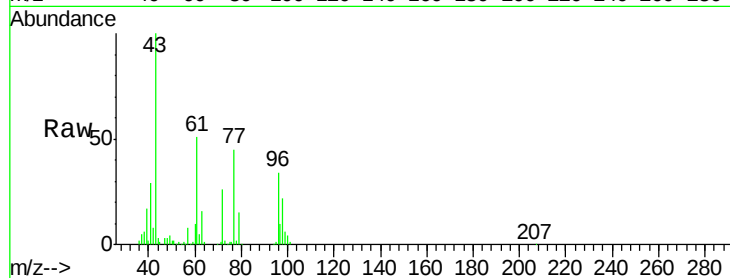
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	117735
Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	300.8
98	64.3	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#28

Bromochloromethane

Concen: 49.107 ug/l

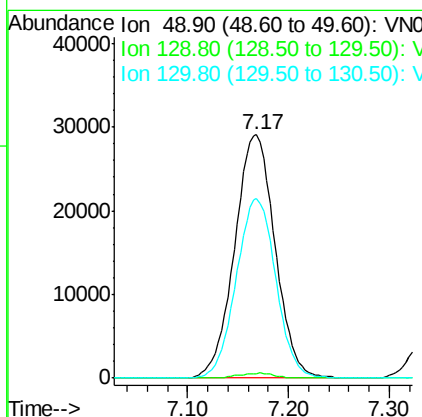
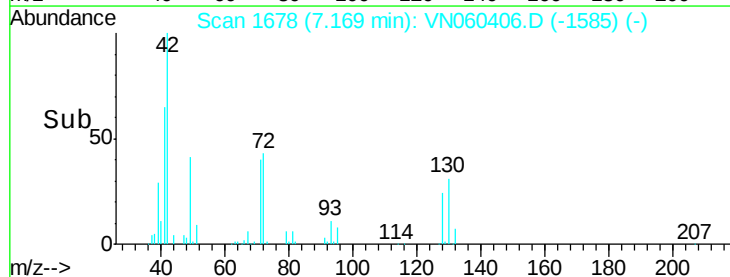
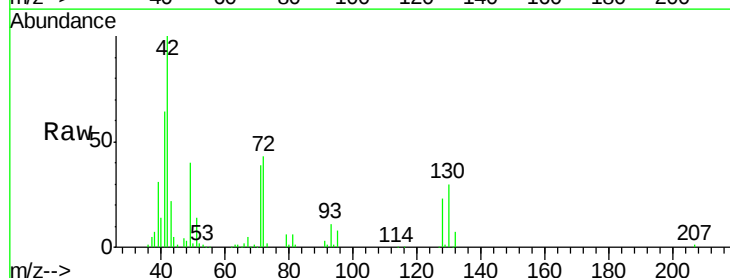
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion:	49	Resp:	80887
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	72.2	59.8	89.8





#29

Tetrahydrofuran

Concen: 255.931 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

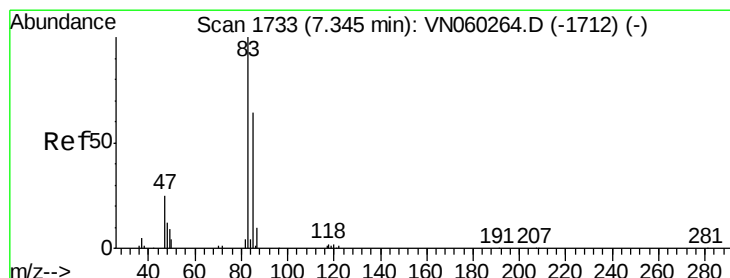
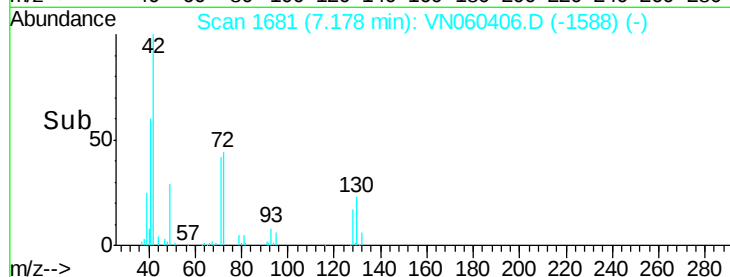
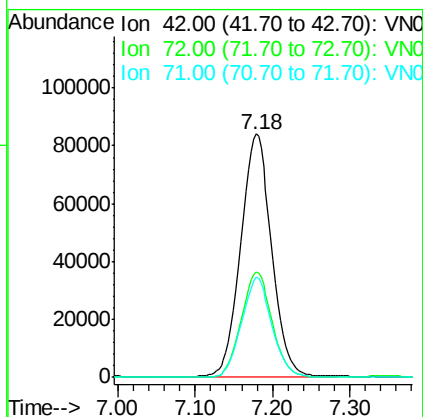
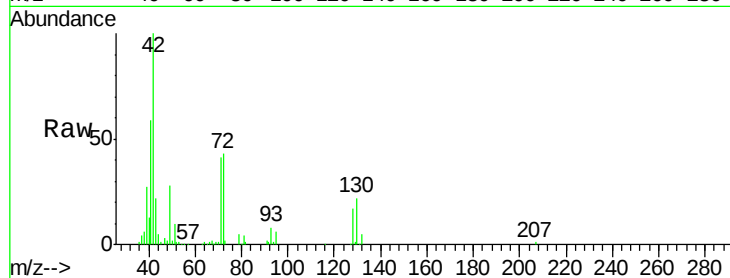
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
42	100			
72	42.8	34.6	52.0	
71	40.0	32.9	49.3	

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#30

Chloroform

Concen: 49.476 ug/l

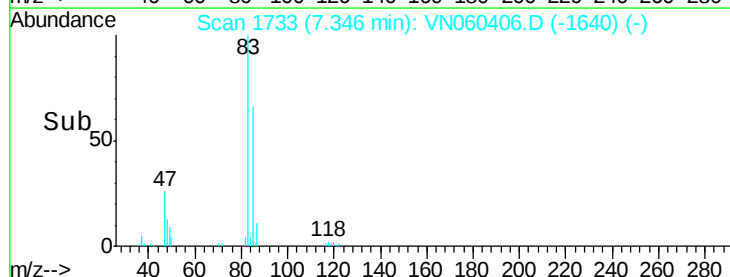
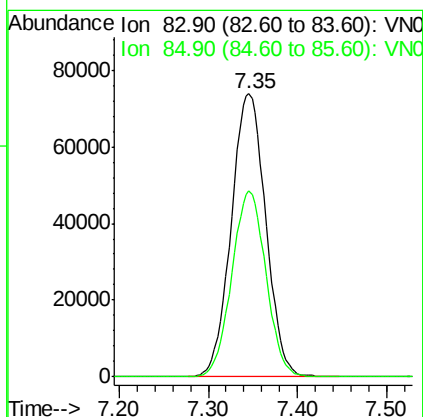
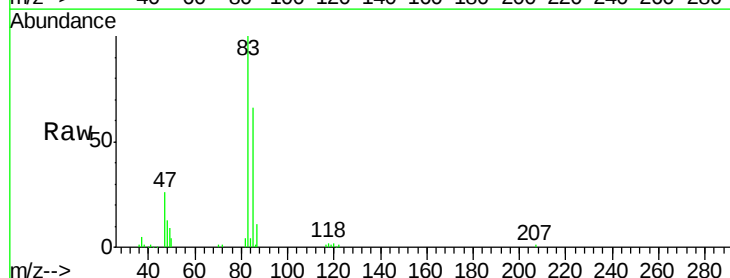
RT: 7.35 min Scan# 1733

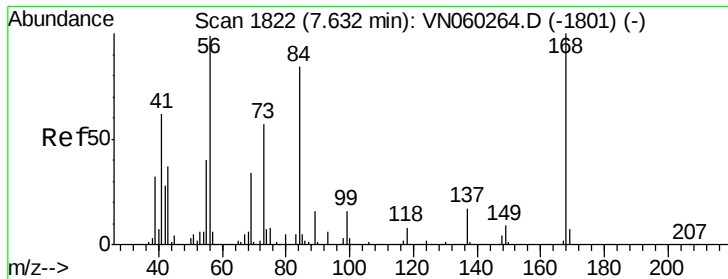
Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	65.6	51.4	77.2	





#31

Cyclohexane

Concen: 48.590 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

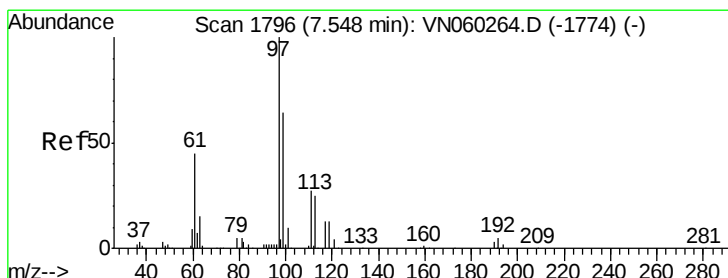
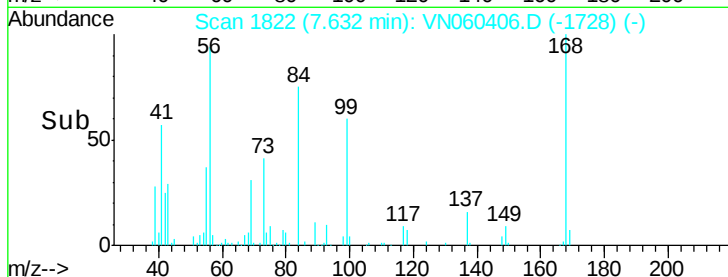
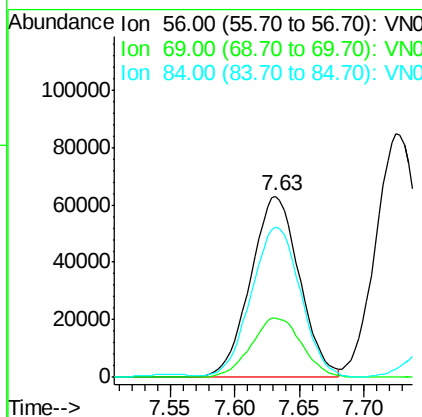
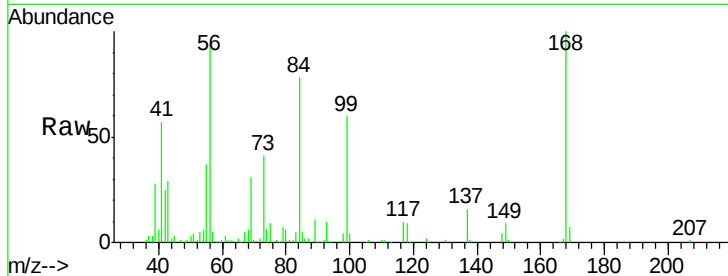
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	166477
Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.2	40.8
84	81.8	66.7	100.1

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#32

1,1,1-Trichloroethane

Concen: 48.463 ug/l

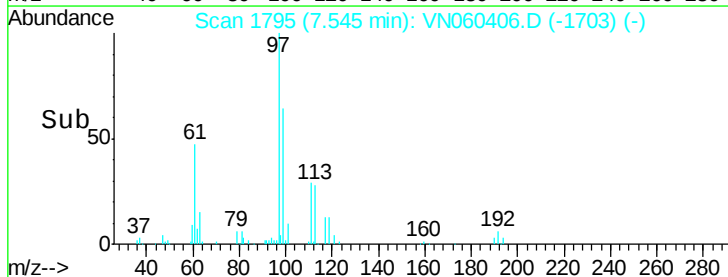
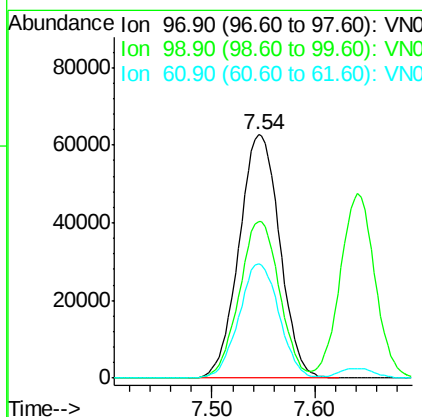
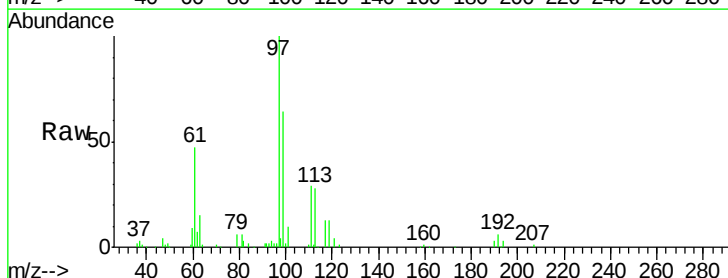
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion:	97	Resp:	171482
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	46.4	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 50.566 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 128144

Ion Ratio Lower Upper

65 100

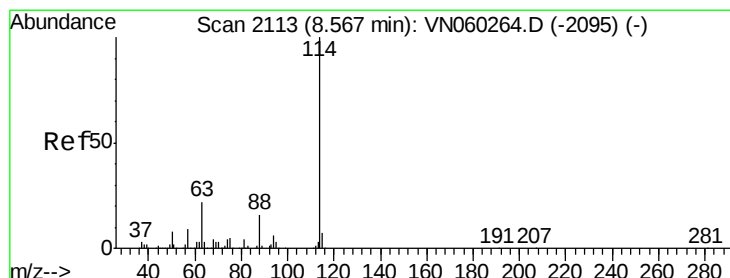
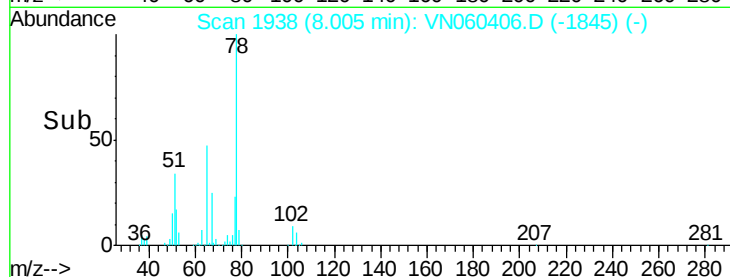
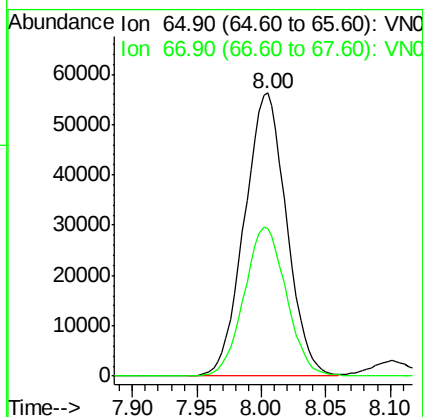
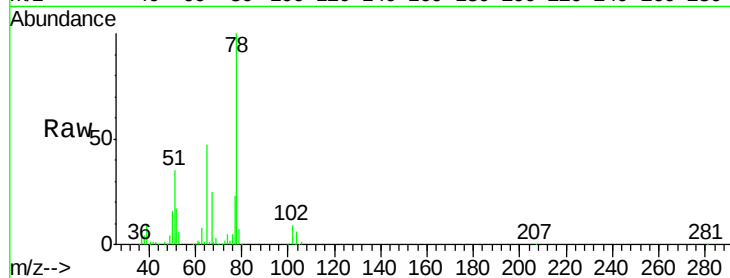
67 52.7 0.0 103.8

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:08 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

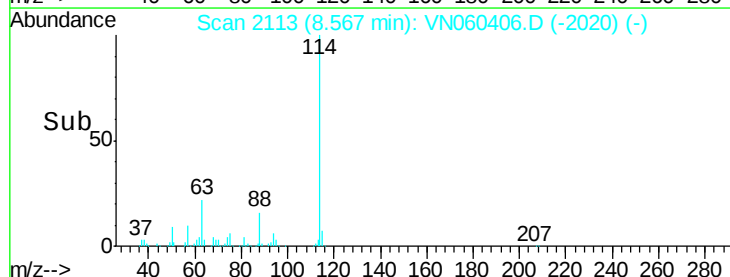
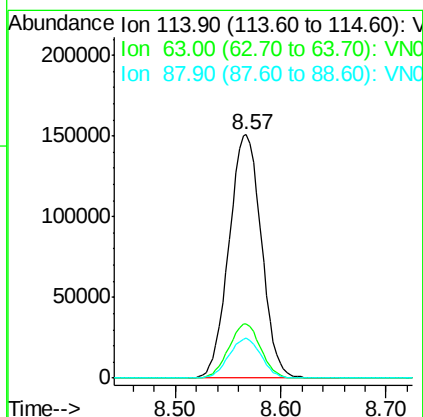
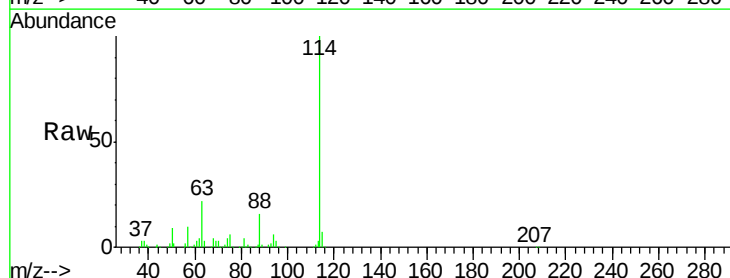
Tgt Ion: 114 Resp: 320673

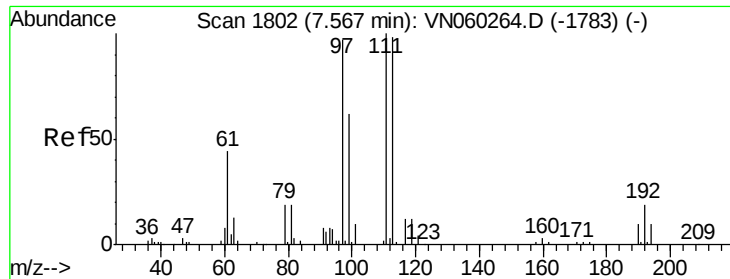
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

88 16.2 0.0 31.6





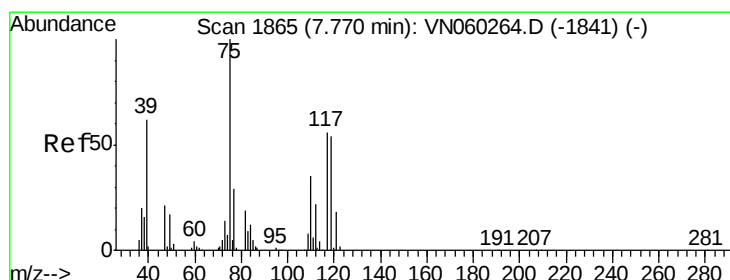
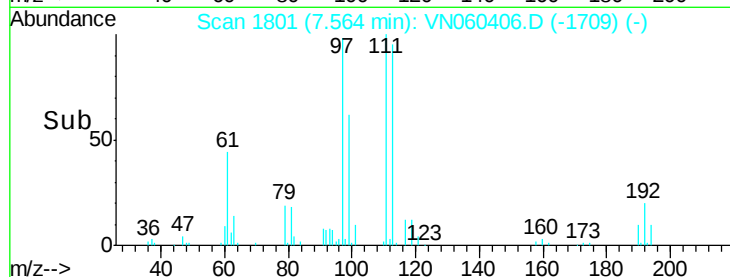
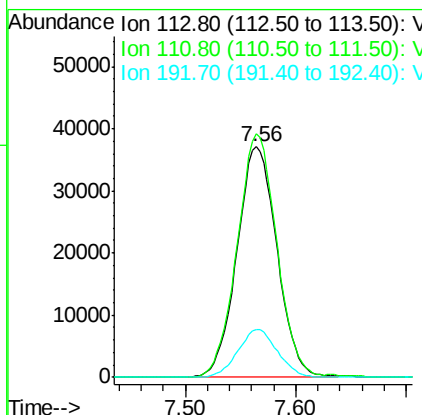
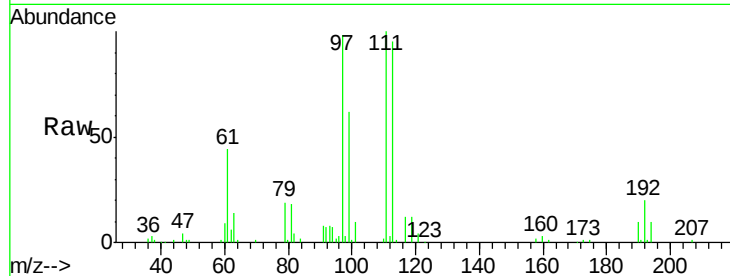
#35
 Dibromofluoromethane
 Concen: 62.786 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.4	123.6
192	20.4	16.2	24.2

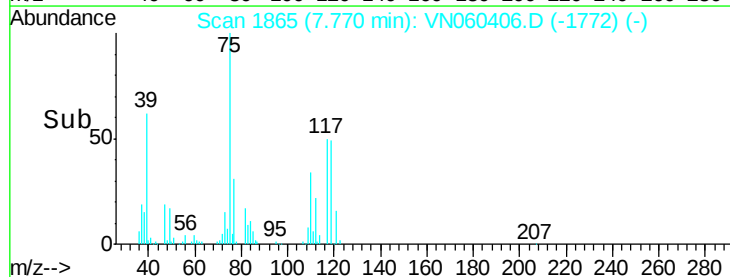
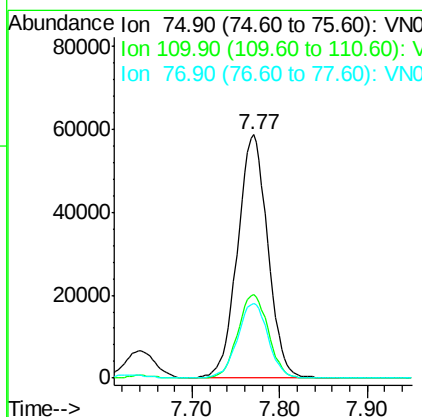
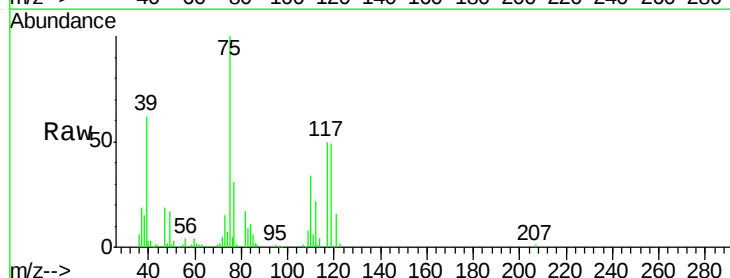
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM



#36
 1,1-Dichloropropene
 Concen: 46.166 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.3	52.0
77	31.1	24.2	36.2





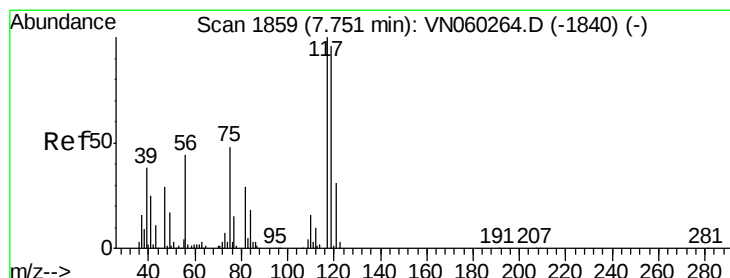
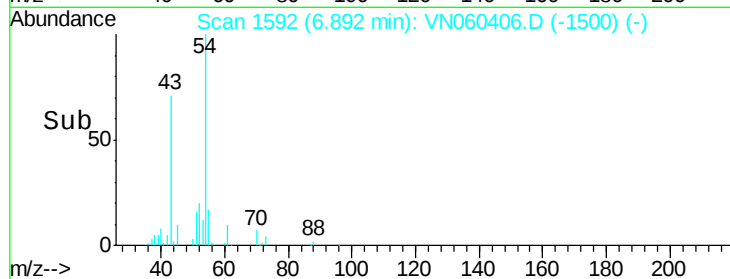
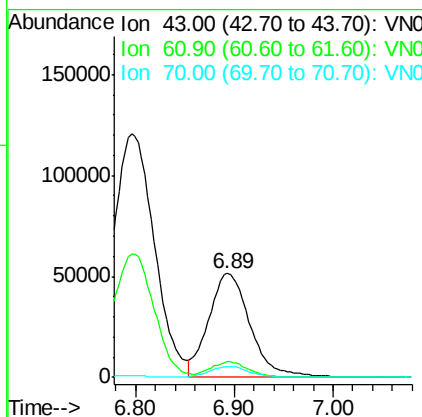
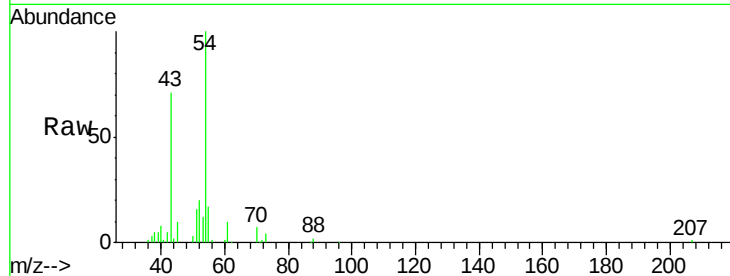
#37
Ethyl Acetate
Concen: 51.425 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	148815		
Ratio	100	14.2	10.3
Lower		11.1	8.4
Upper		16.7	12.6

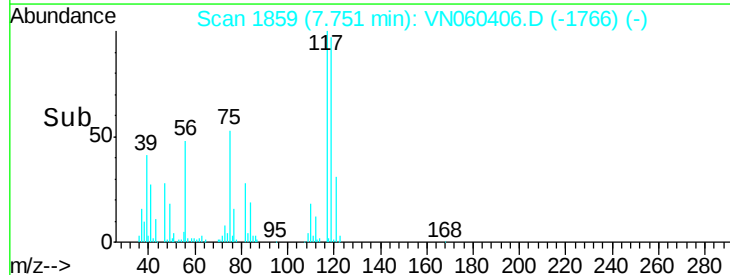
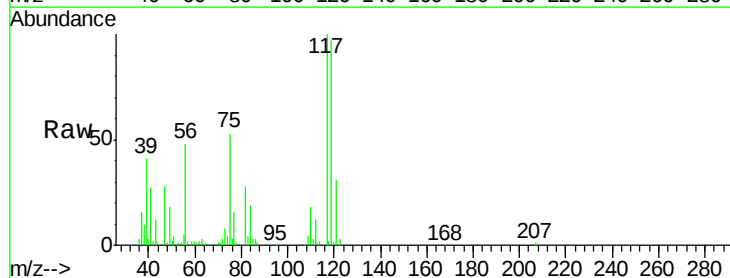
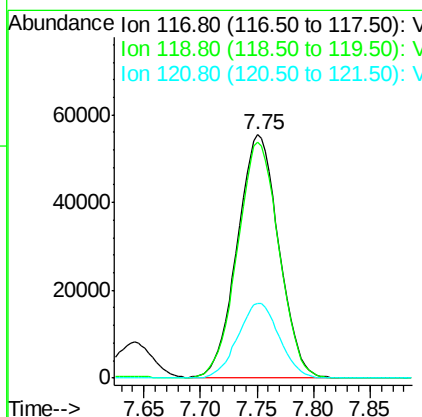
Manual Integrations
APPROVED

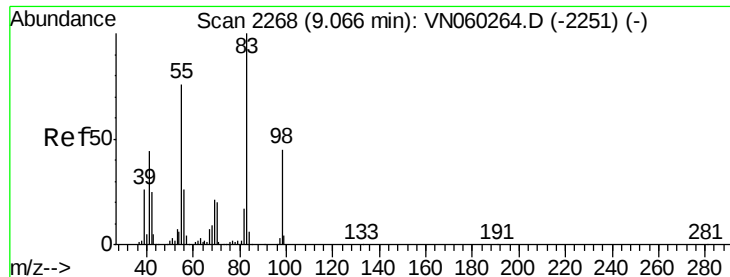
MMDadoda
3/11/2020 3:23:08 PM



#38
Carbon Tetrachloride
Concen: 47.562 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	117	119	121
Resp	141522		
Ratio	100	97.1	30.8
Lower		76.7	24.5
Upper		115.1	36.7





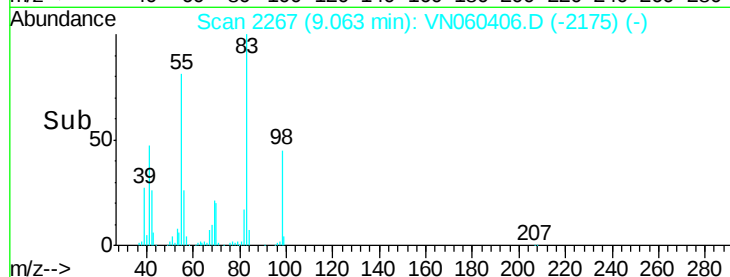
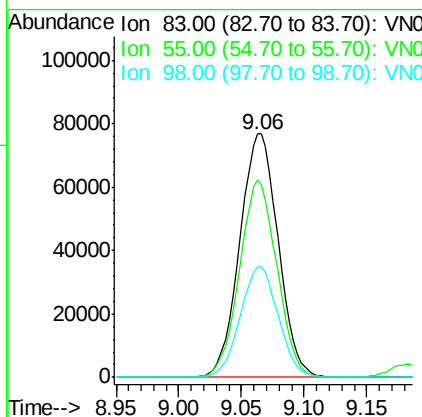
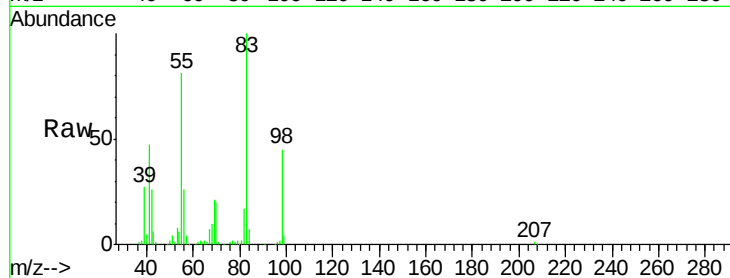
#39
Methvlcvclohexane
Concen: 45.386 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	61.0	91.4
98	45.3	36.1	54.1

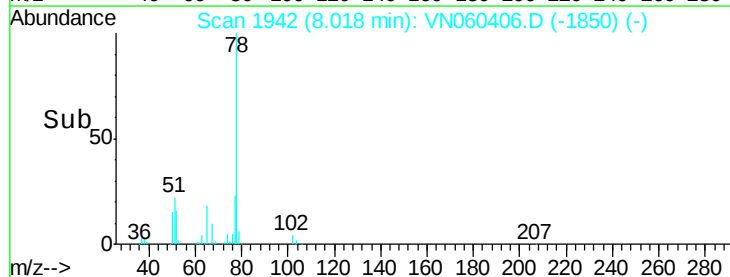
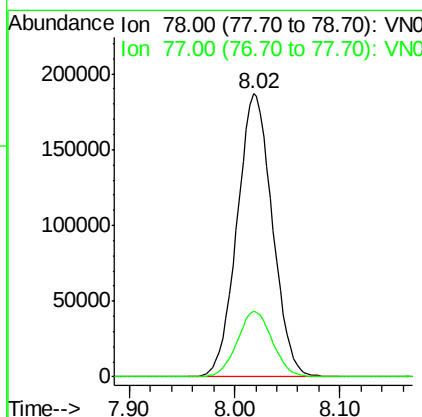
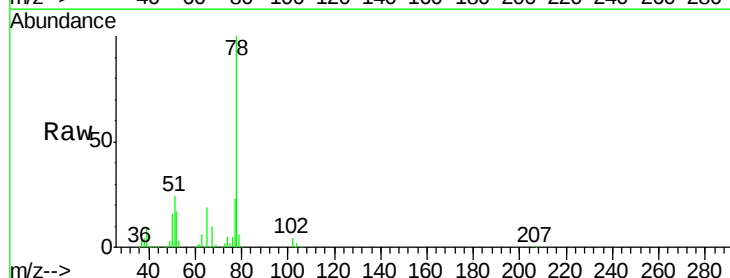
Manual Integrations
APPROVED

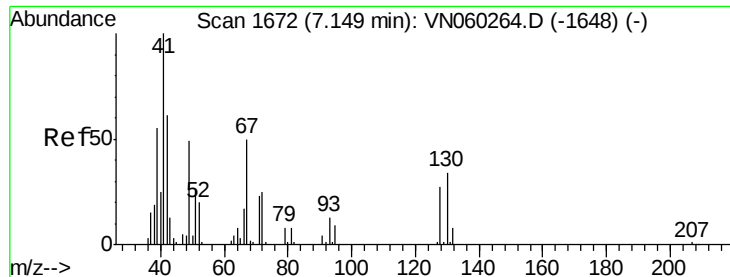
MMDadoda
3/11/2020 3:23:08 PM



#40
Benzene
Concen: 48.772 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





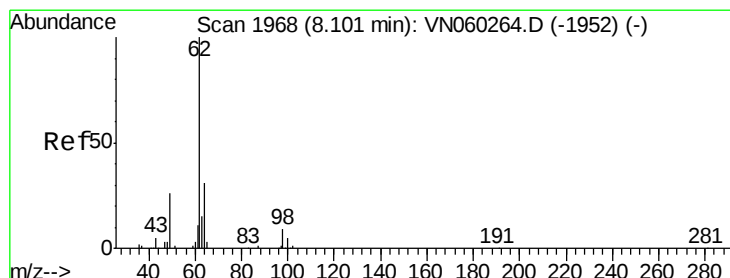
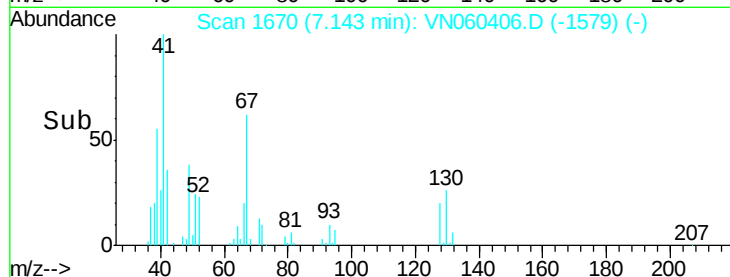
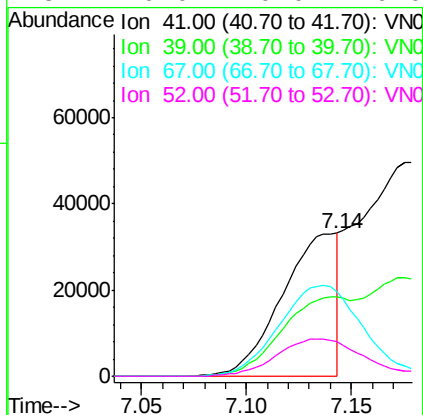
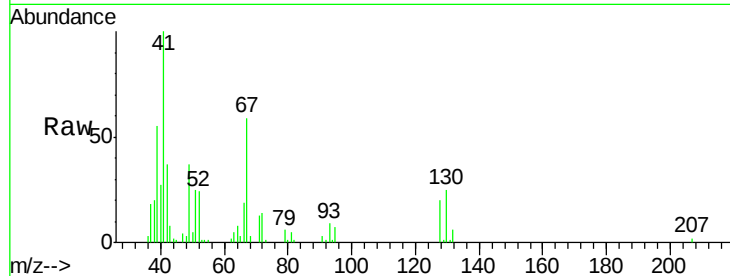
#41
Methacrylonitrile
Concen: 45.633 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

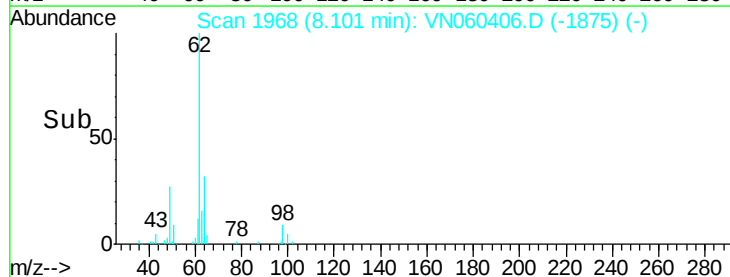
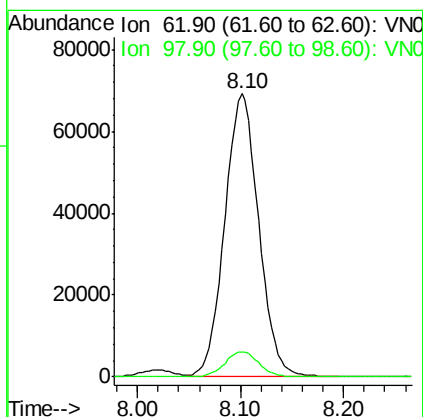
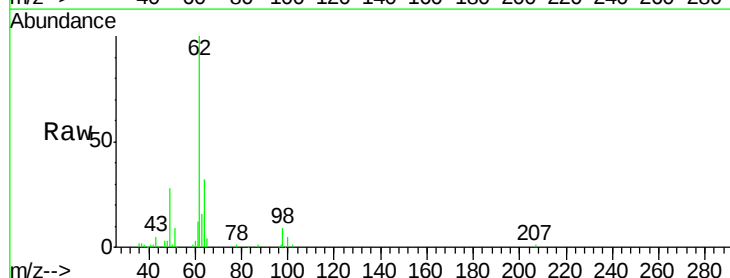
Manual Integrations
APPROVED

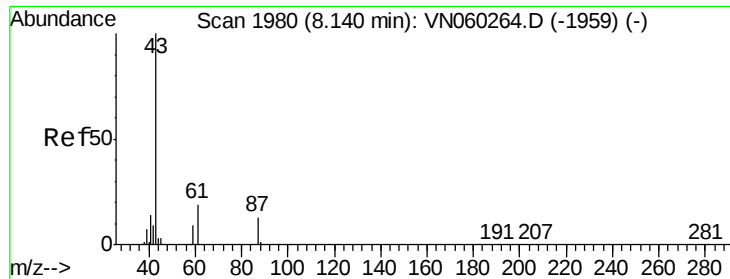
MMDadoda
3/11/2020 3:23:08 PM



#42
1,2-Dichloroethane
Concen: 49.489 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





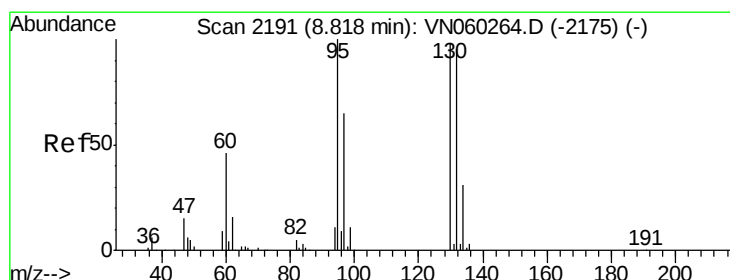
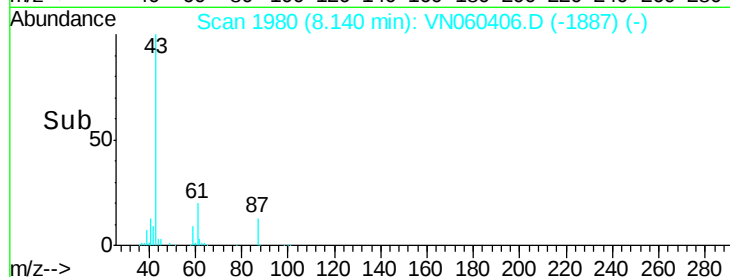
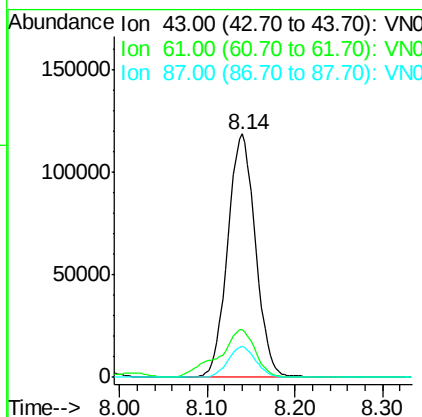
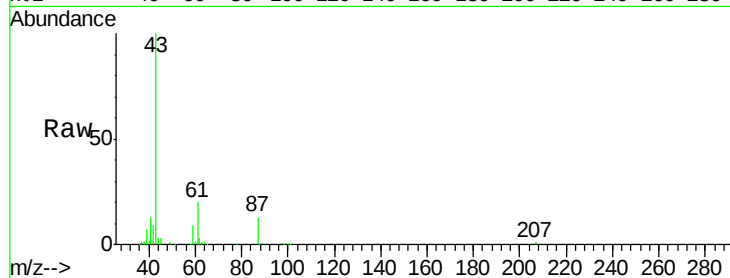
#43
Isopropyl Acetate
Concen: 51.710 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.9	31.3
87	12.7	10.6	16.0

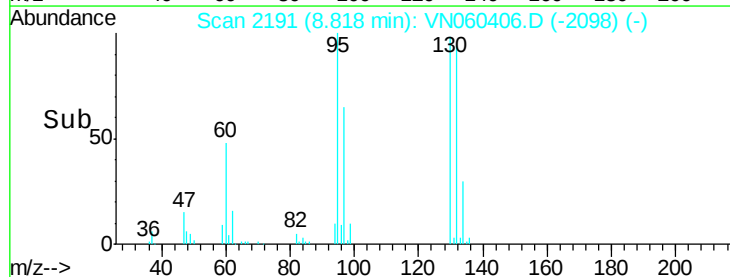
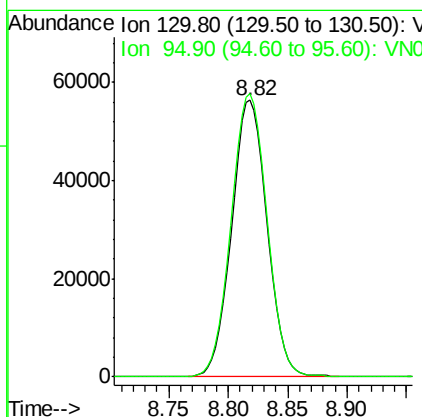
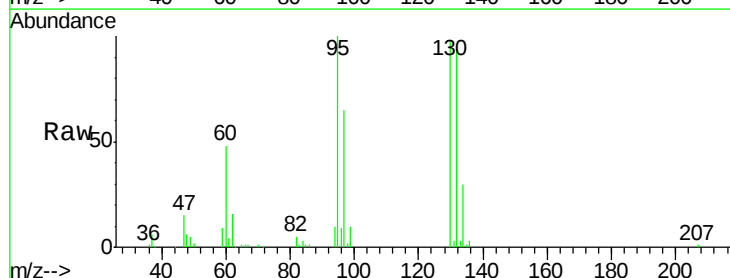
Manual Integrations
APPROVED

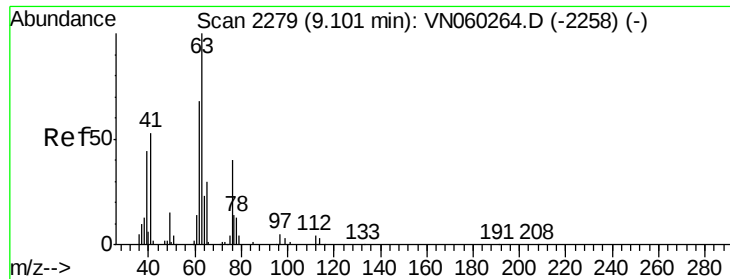
MMDadoda
3/11/2020 3:23:08 PM



#44
Trichloroethene
Concen: 46.991 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	203.4





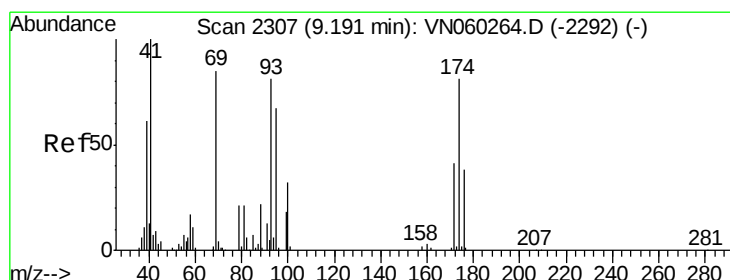
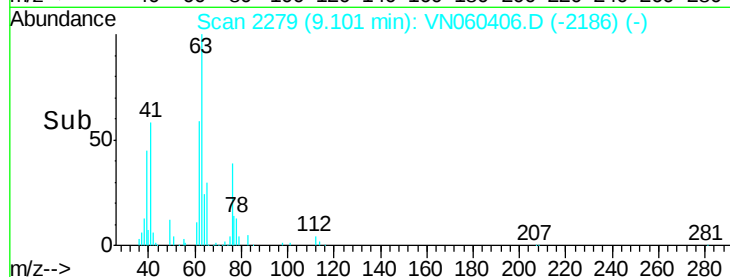
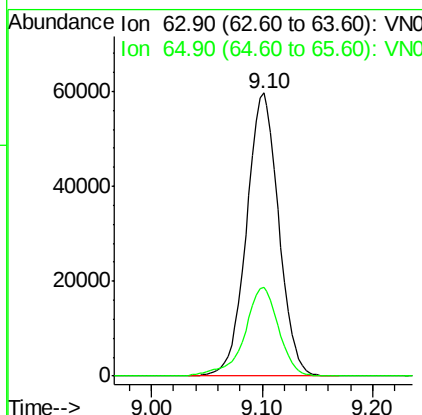
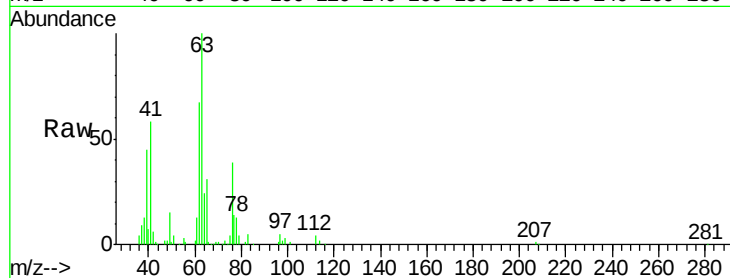
#45
 1,2-Dichloropropane
 Concen: 51.780 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.4	36.6

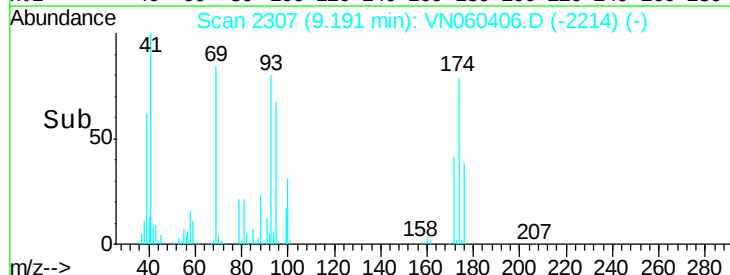
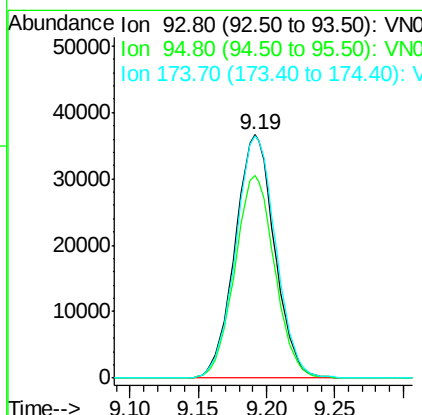
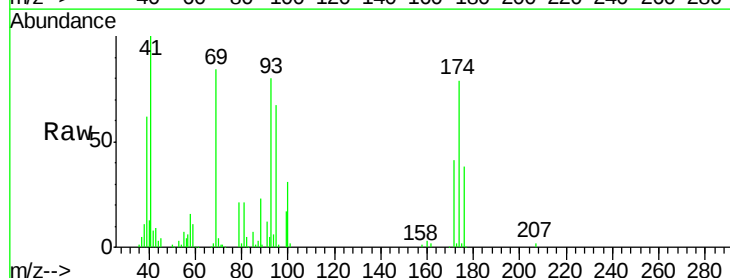
Manual Integrations
 APPROVED

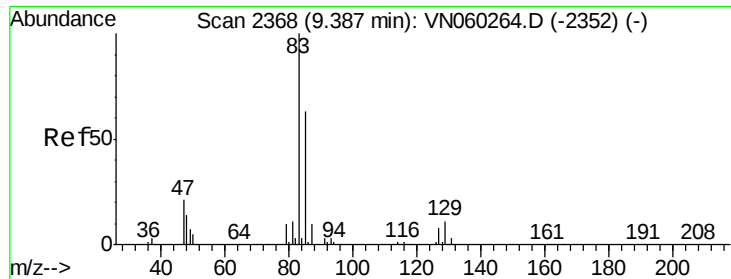
MMDadoda
 3/11/2020 3:23:08 PM



#46
 Dibromomethane
 Concen: 48.855 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.9	98.9
174	100.7	79.6	119.4





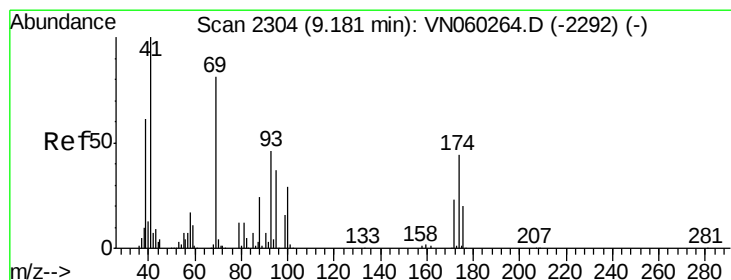
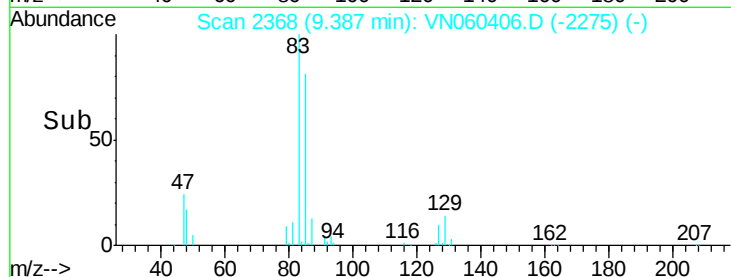
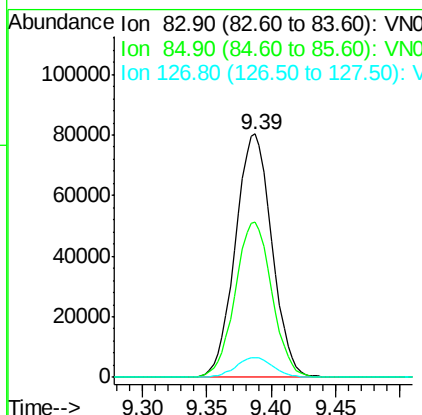
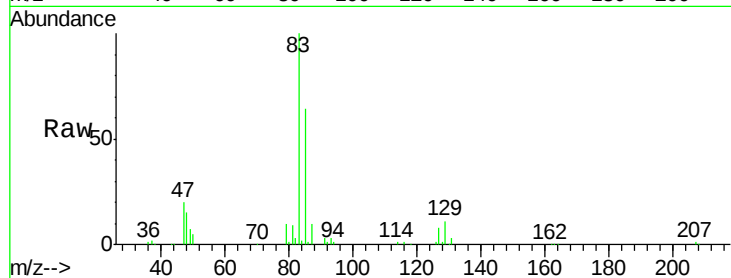
#47
 Bromodichloromethane
 Concen: 51.636 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	158480
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.7	76.1
127	8.2	6.8	10.2

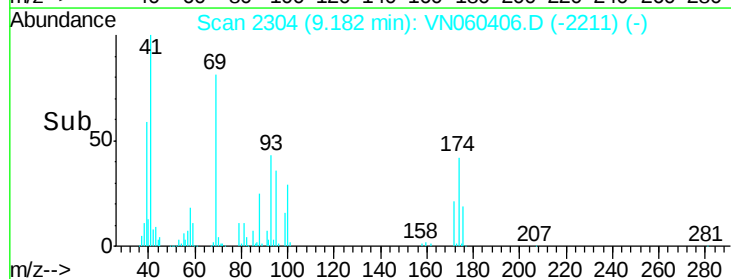
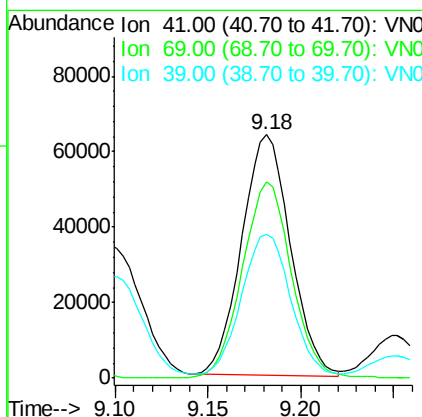
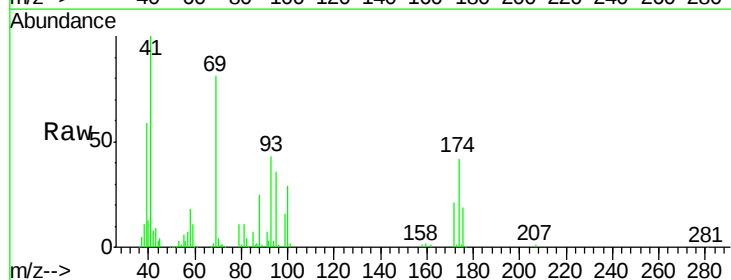
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM



#48
 Methyl methacrylate
 Concen: 50.521 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	41	Resp	116714
Ion Ratio	100	Lower	Upper
41	100		
69	82.8	66.7	100.1
39	62.0	50.1	75.1





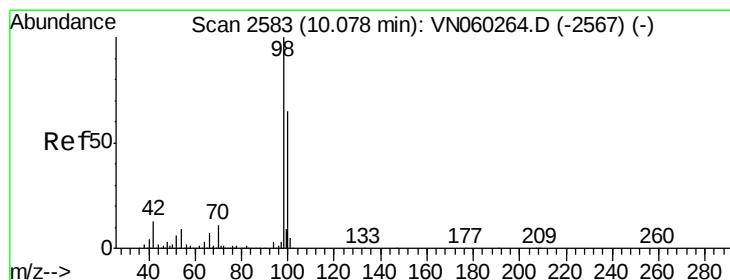
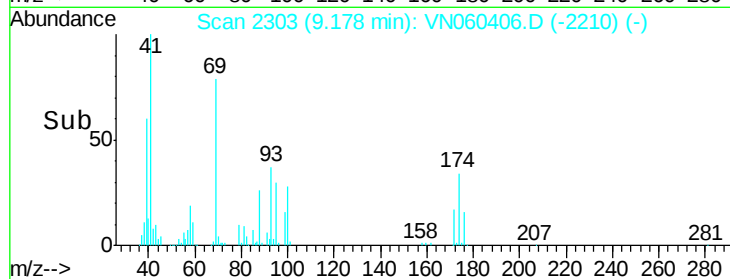
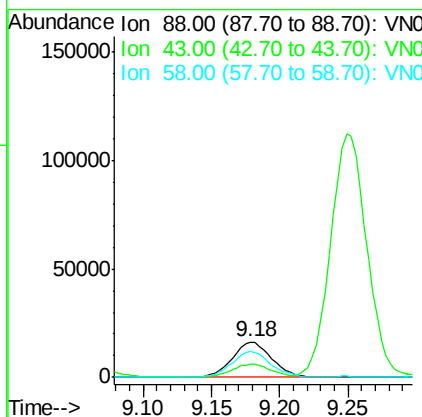
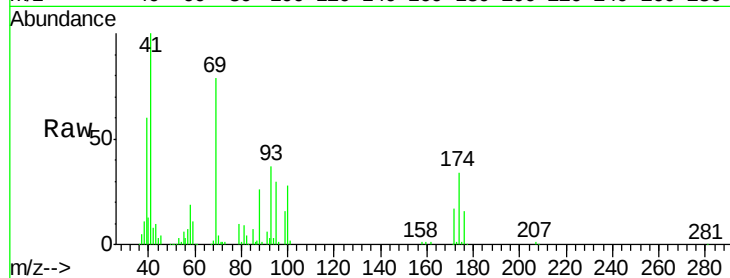
#49
1,4-Dioxane
Concen: 1011.732 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.4	45.6
58	73.1	57.0	85.6

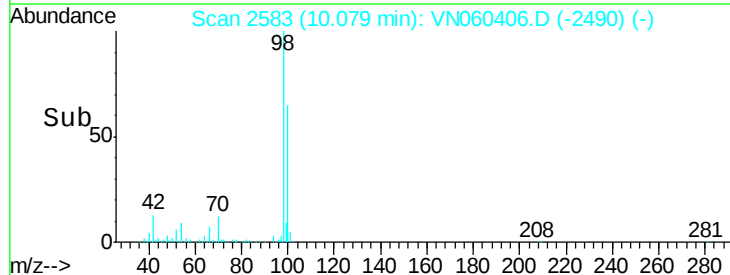
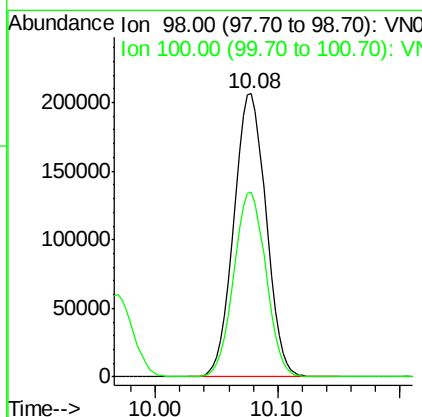
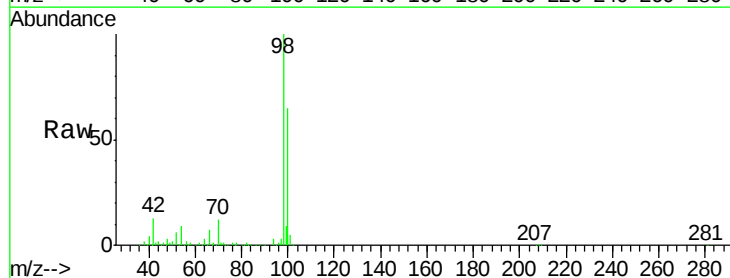
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#50
Toluene-d8
Concen: 50.262 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 268.221 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 770438

Ion Ratio Lower Upper

43 100

58 38.5

30.9

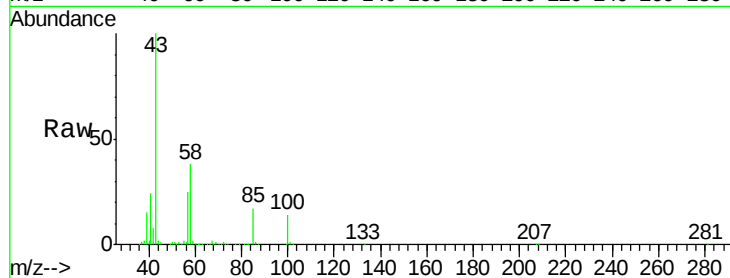
46.3

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060406.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060406.D (-2531) (-)

9.97

400000

300000

200000

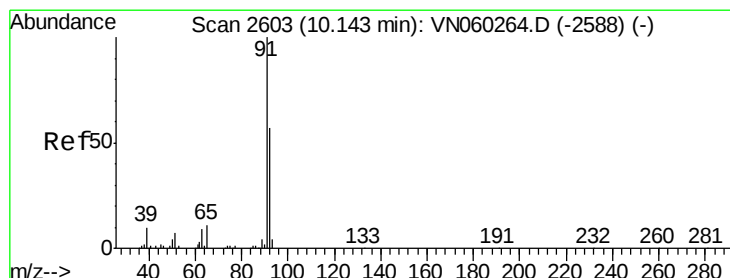
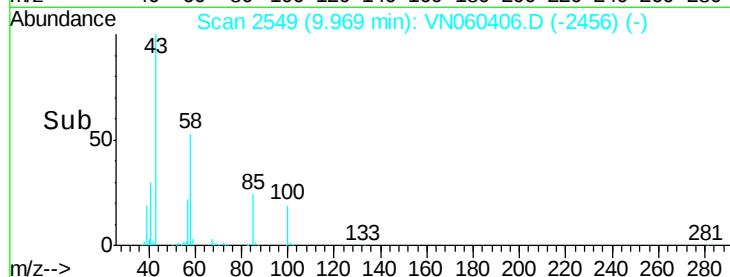
100000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 48.717 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion: 92 Resp: 272211

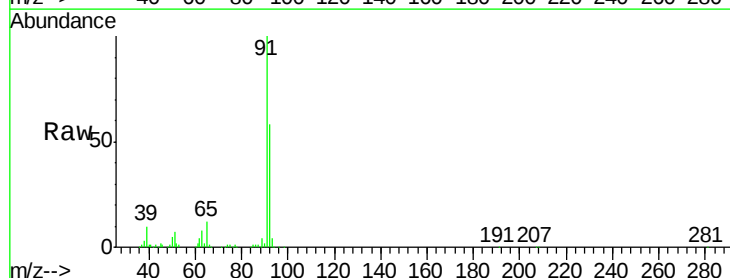
Ion Ratio Lower Upper

92 100

91 172.9

138.1

207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060406.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060406.D (-2588) (-)

10.14

300000

250000

200000

150000

100000

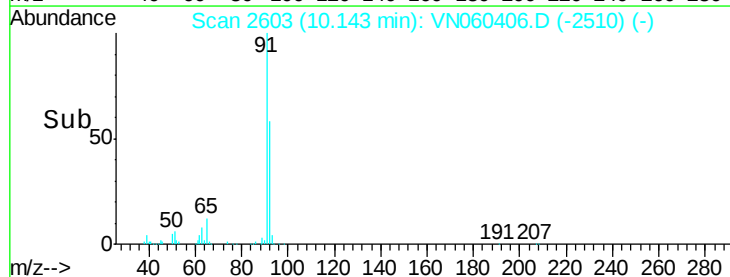
50000

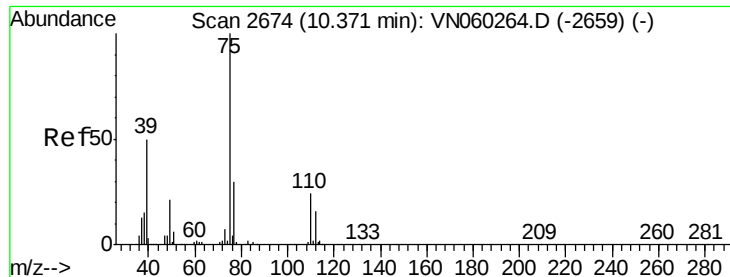
0

10.10

10.20

Time-->





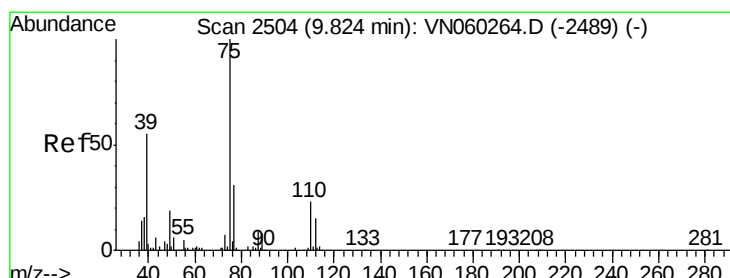
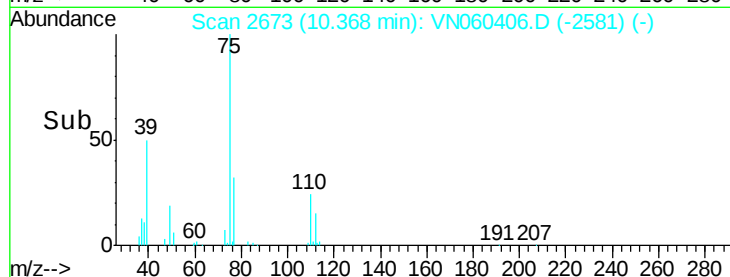
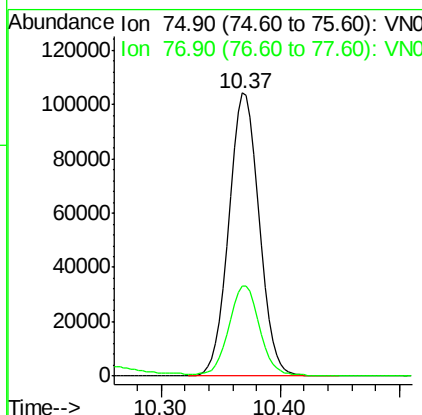
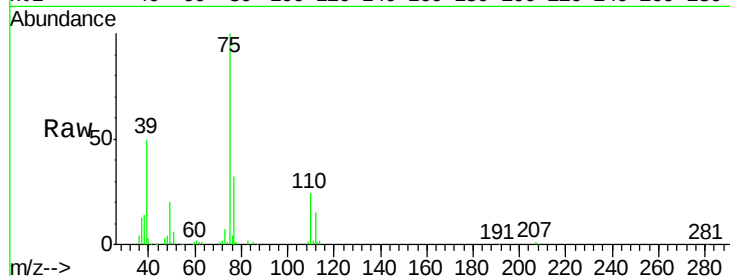
#53
t-1,3-Dichloropropene
Concen: 49.088 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2

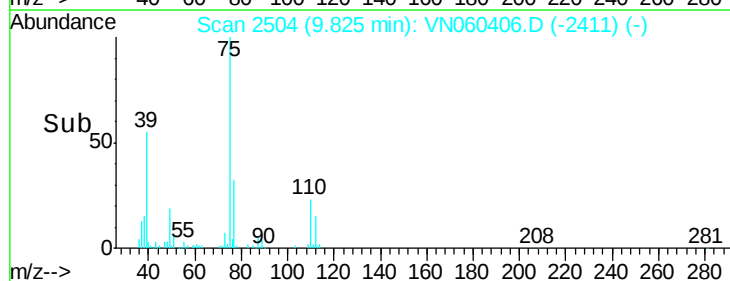
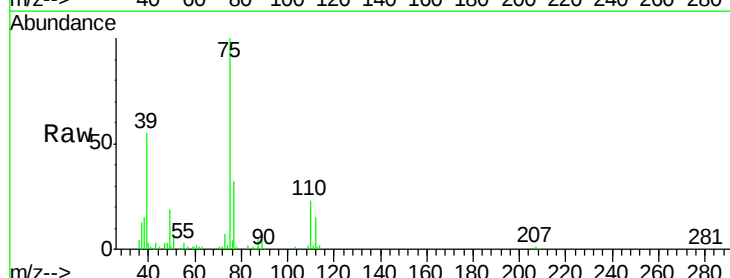
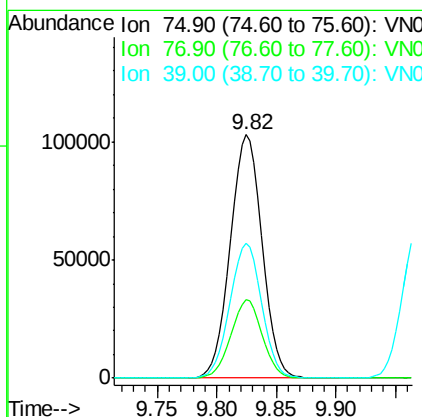
Manual Integrations
APPROVED

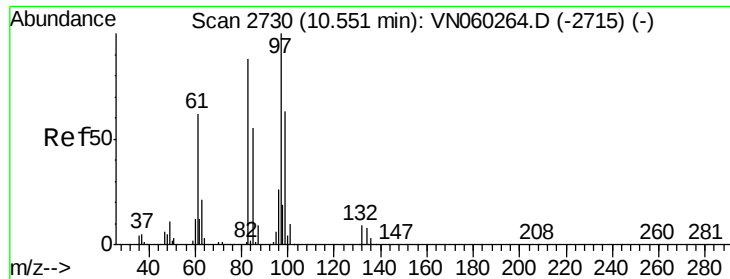
MMDadoda
3/11/2020 3:23:08 PM



#54
cis-1,3-Dichloropropene
Concen: 49.170 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	55.4	43.8	65.8





#55

1,1,2-Trichloroethane

Concen: 49.317 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

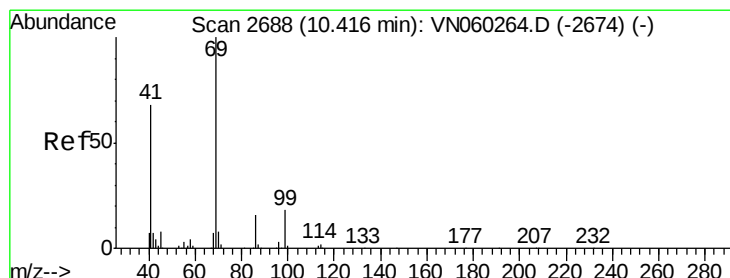
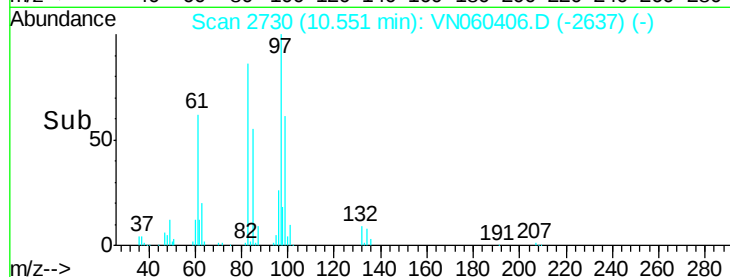
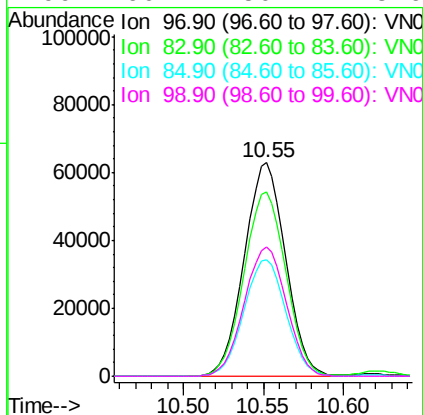
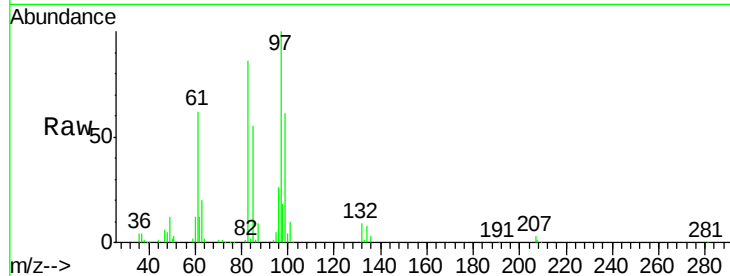
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	110816
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.0	105.0
85	54.7	44.0	66.0
99	60.7	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#56

Ethyl methacrylate

Concen: 52.969 ug/l

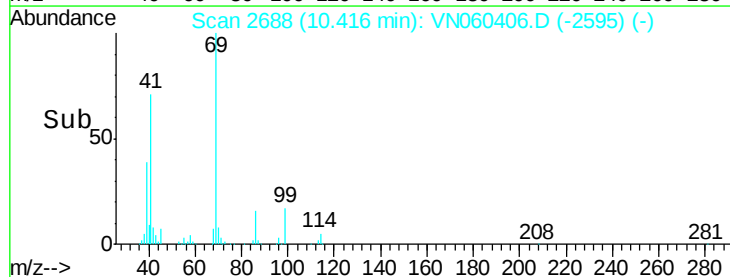
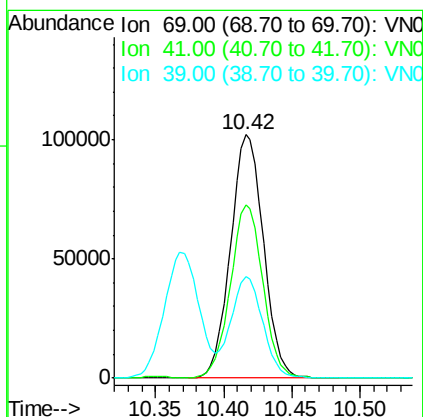
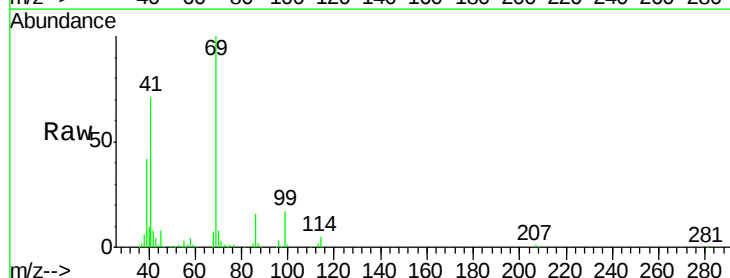
RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion:	69	Resp:	170993
Ion	Ratio	Lower	Upper
69	100		
41	69.7	54.1	81.1
39	40.6	32.5	48.7





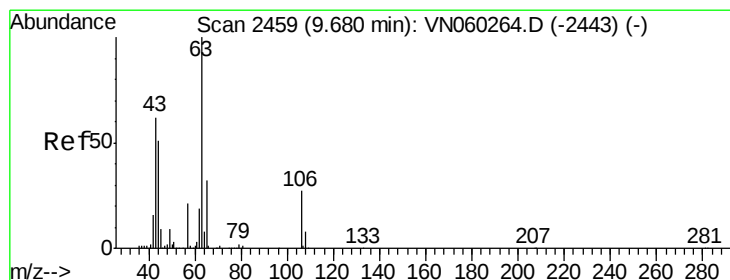
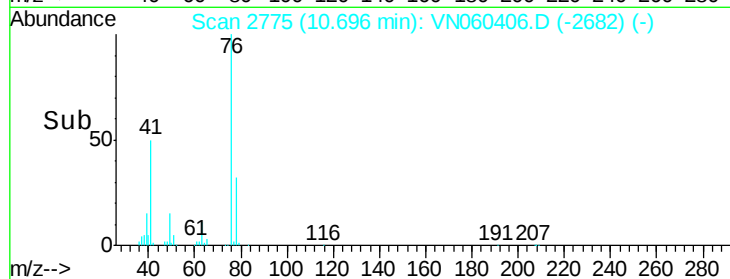
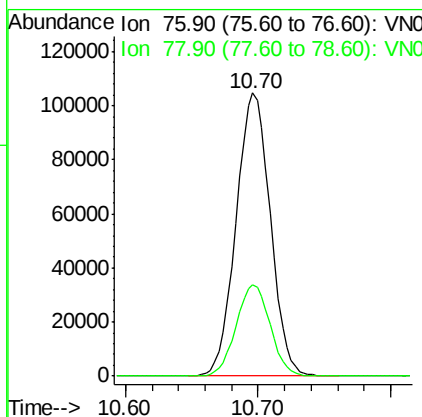
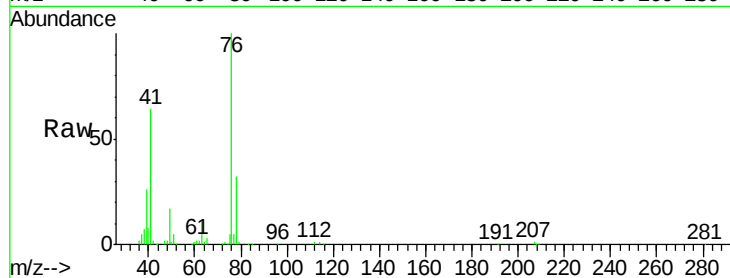
#57
 1,3-Dichloropropane
 Concen: 51.108 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2

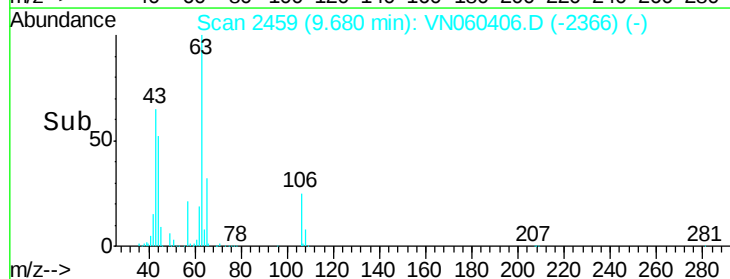
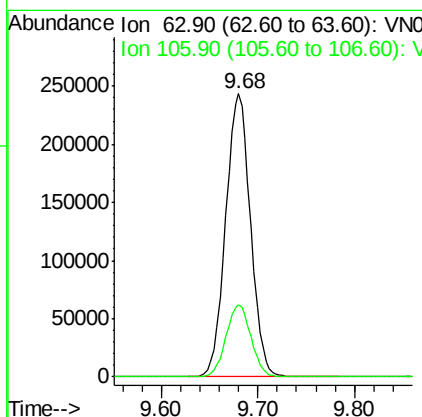
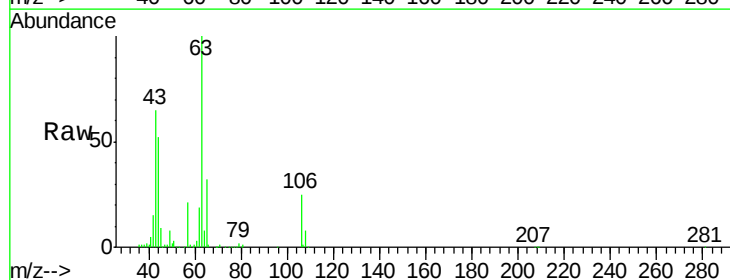
Manual Integrations
 APPROVED

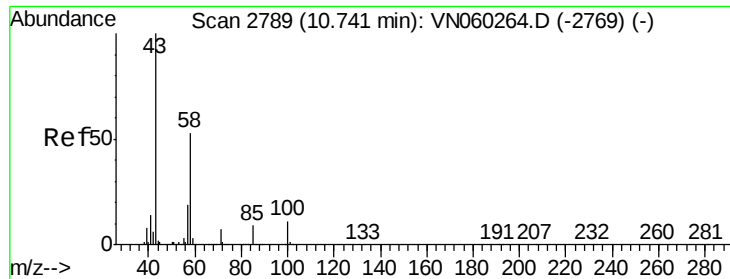
MMDadoda
 3/11/2020 3:23:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.028 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.1	31.7





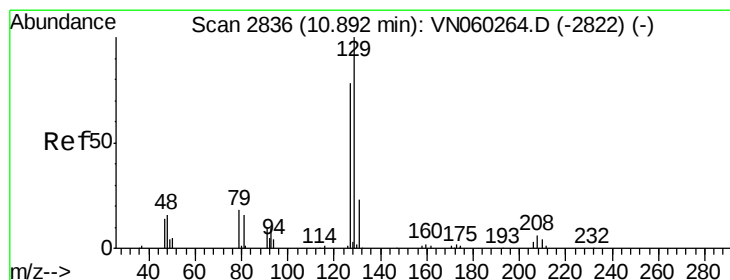
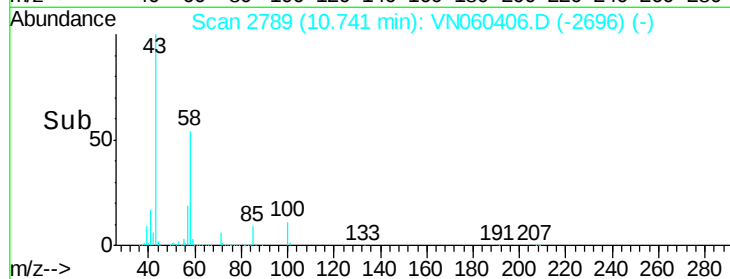
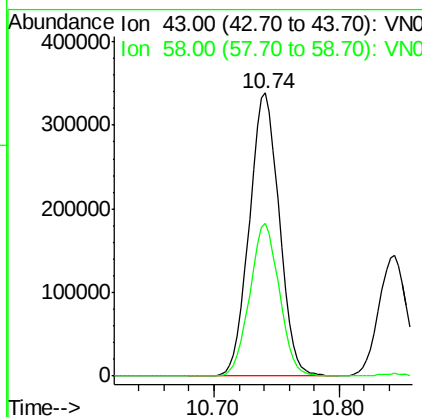
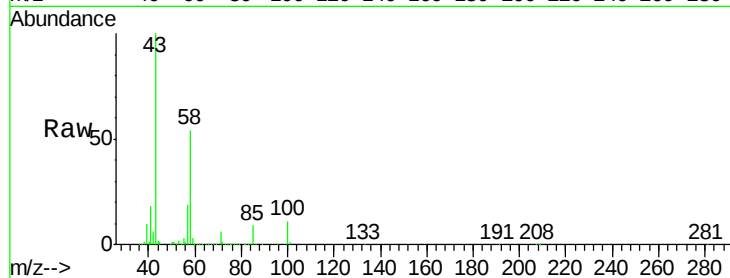
#59
2-Hexanone
Concen: 266.815 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.5	79.5

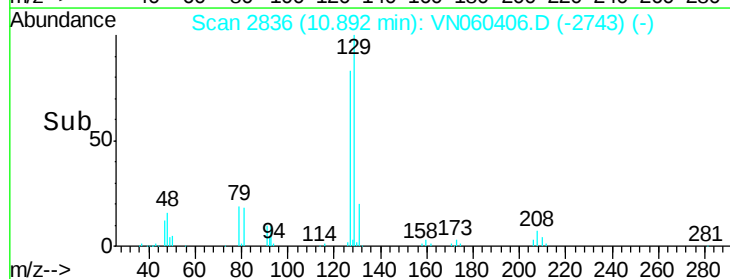
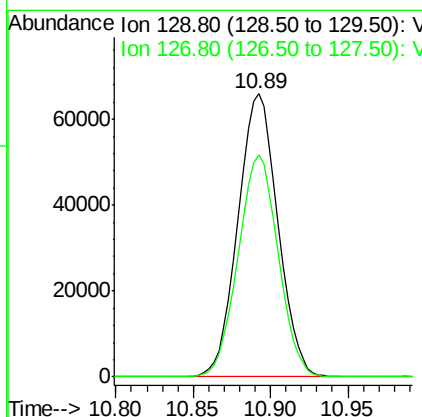
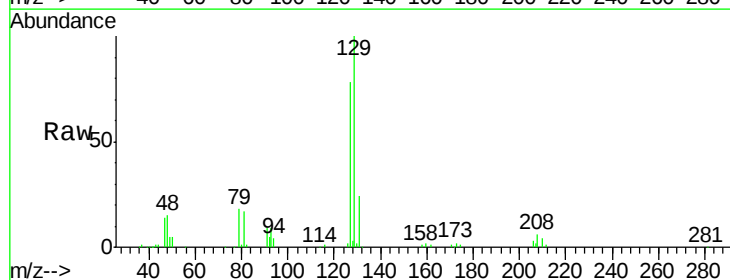
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#60
Dibromochloromethane
Concen: 51.819 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.7





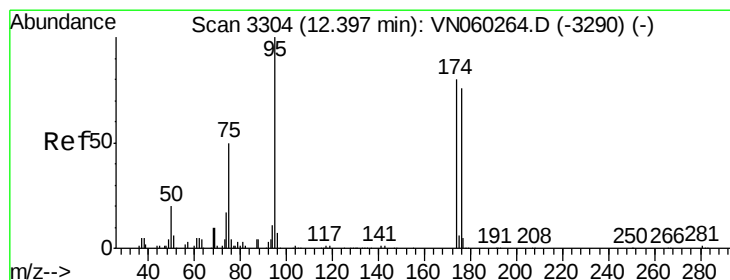
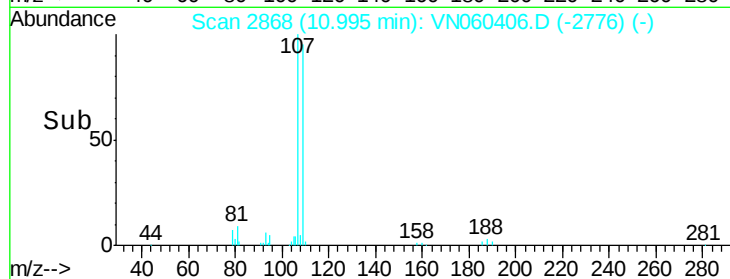
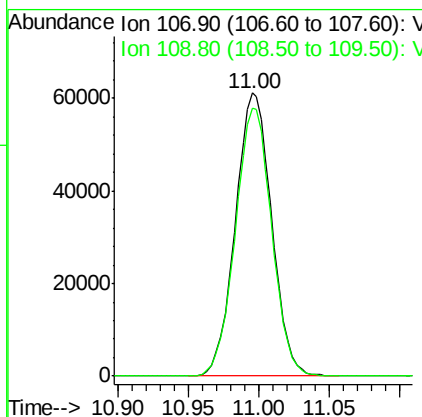
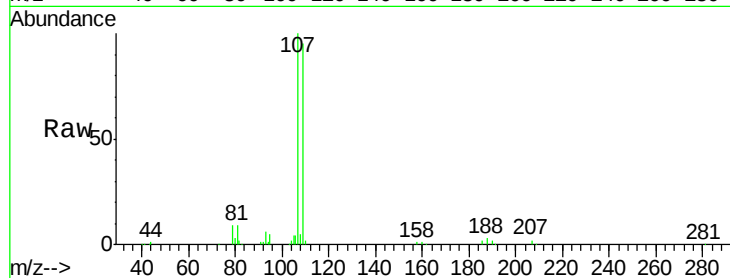
#61
 1,2-Dibromoethane
 Concen: 50.244 ug/l
 RT: 11.00 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.8	115.2

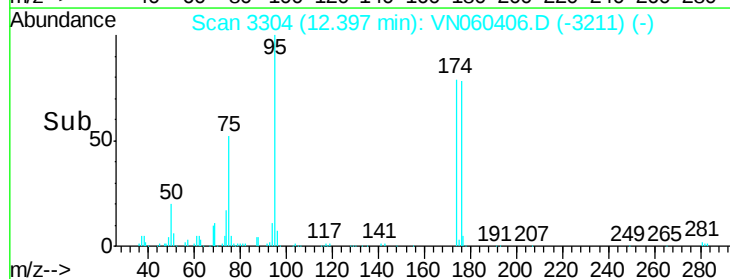
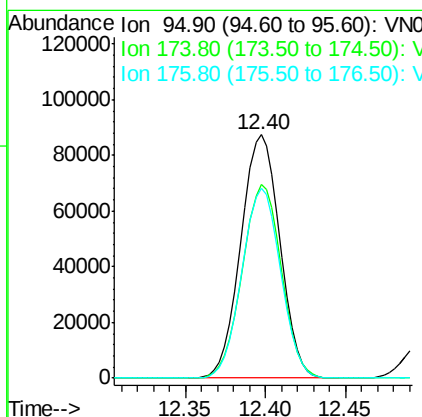
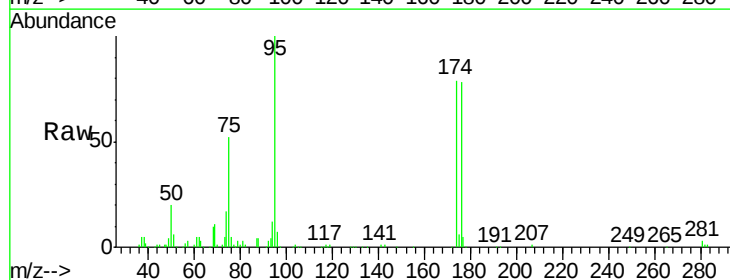
Manual Integrations
 APPROVED

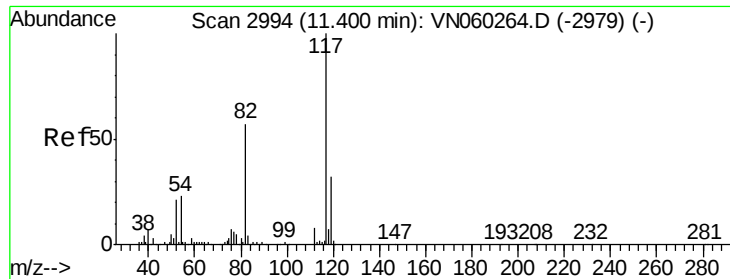
MMDadoda
 3/11/2020 3:23:08 PM



#62
 4-Bromofluorobenzene
 Concen: 50.979 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	159.2
176	77.5	0.0	153.8





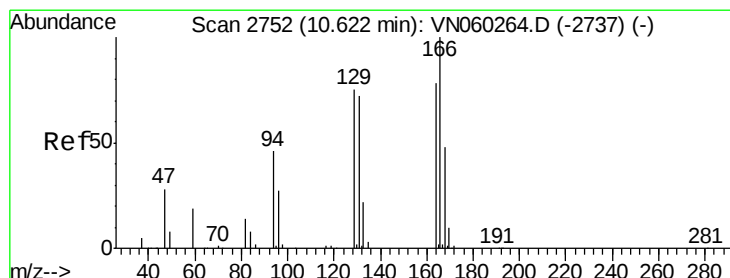
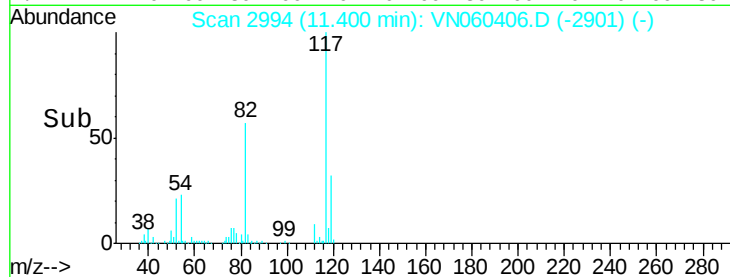
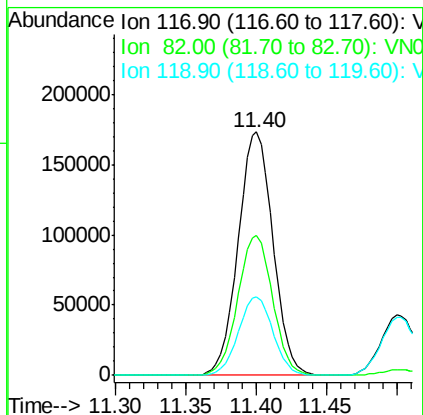
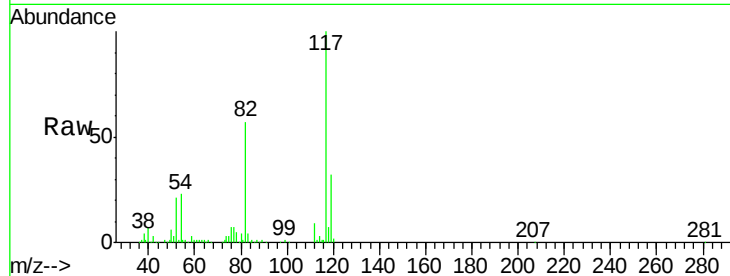
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299848		
82	57.4		45.8	68.6
119	32.5		25.8	38.8

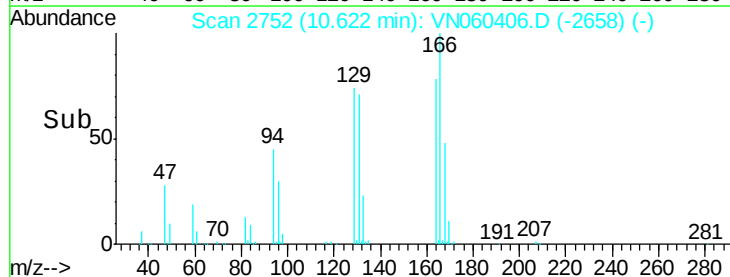
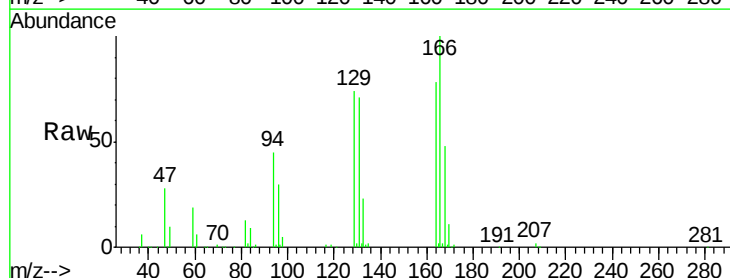
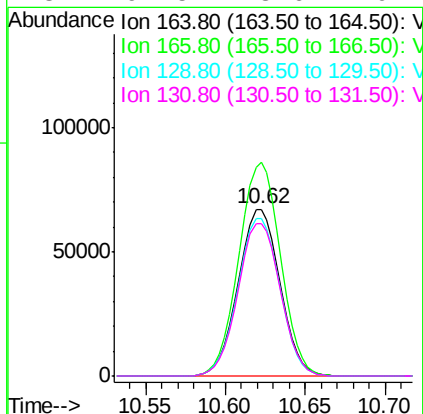
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#64
Tetrachloroethene
Concen: 50.594 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119405		
166	128.0		102.0	153.0
129	94.5		76.4	114.6
131	91.5		73.6	110.4





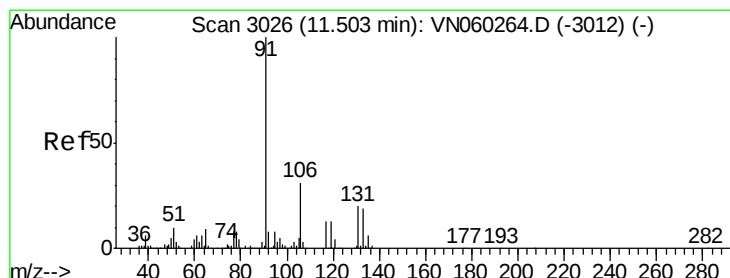
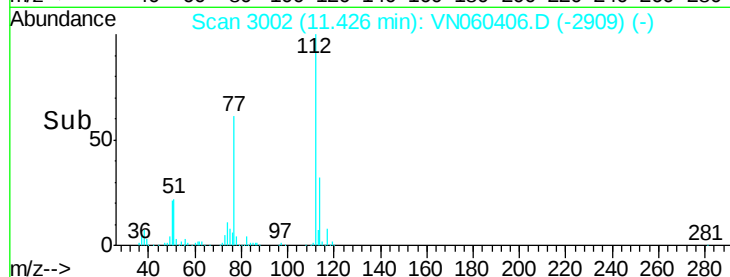
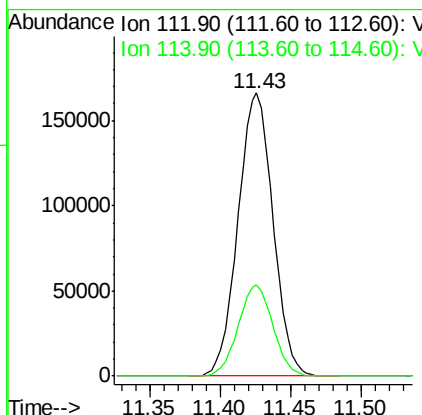
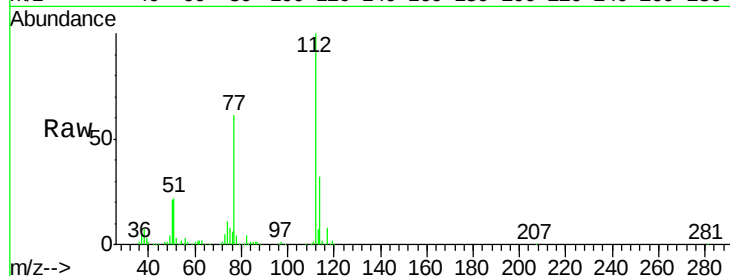
#65
Chlorobenzene
Concen: 47.769 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0

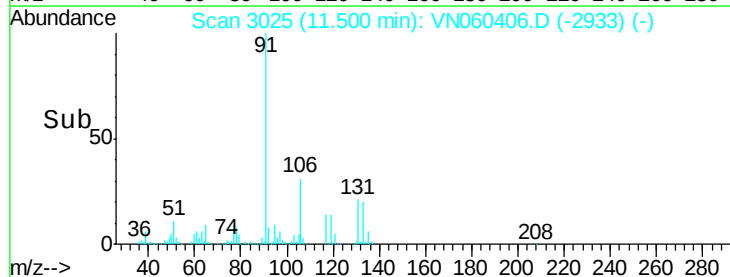
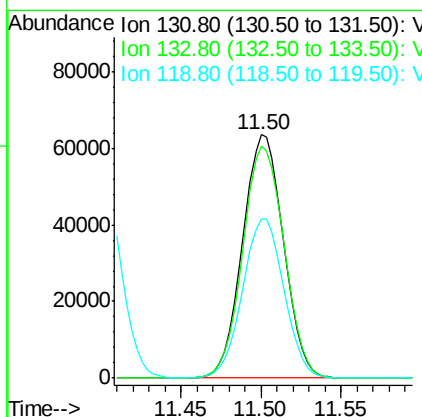
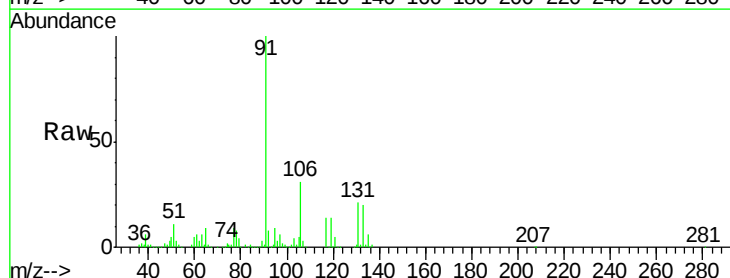
Manual Integrations
APPROVED

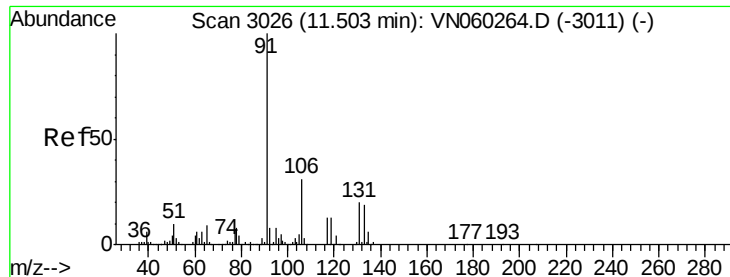
MMDadoda
3/11/2020 3:23:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.7	143.1
119	66.1	33.2	99.6





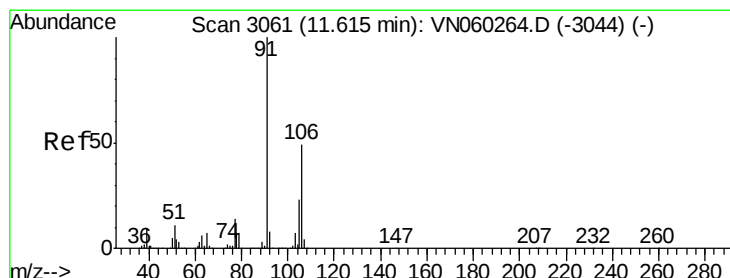
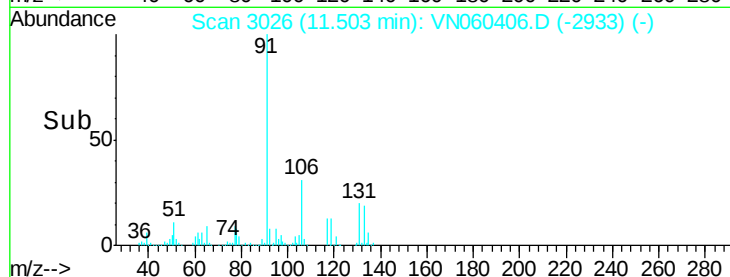
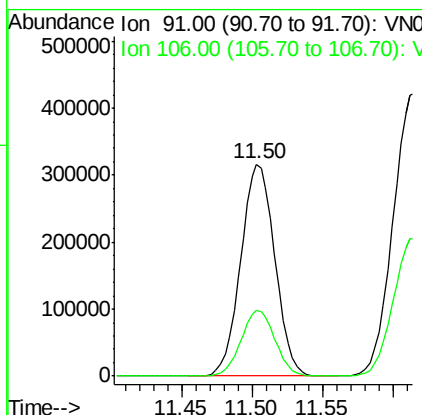
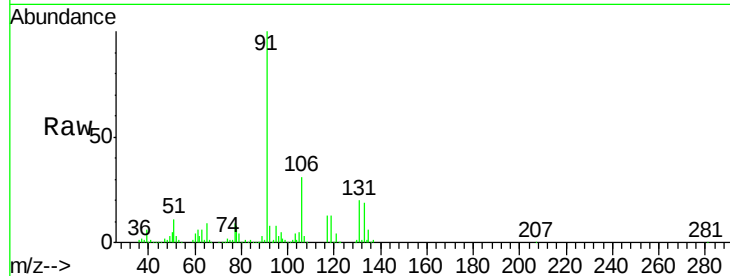
#67
Ethyl Benzene
Concen: 48.541 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 535214
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

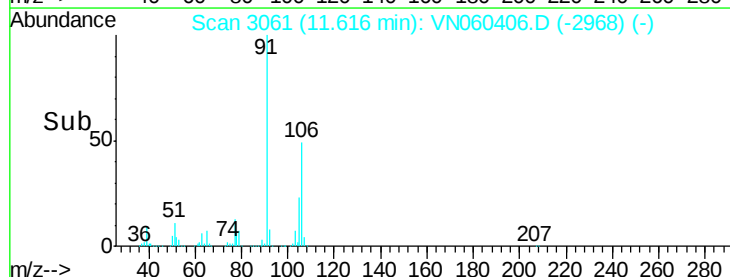
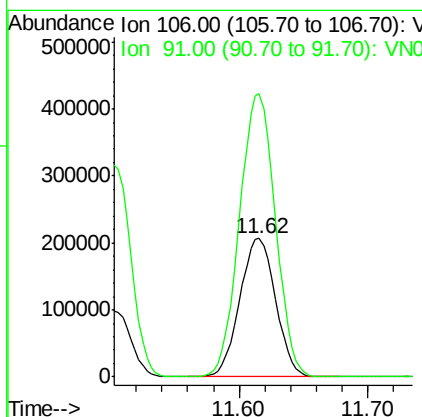
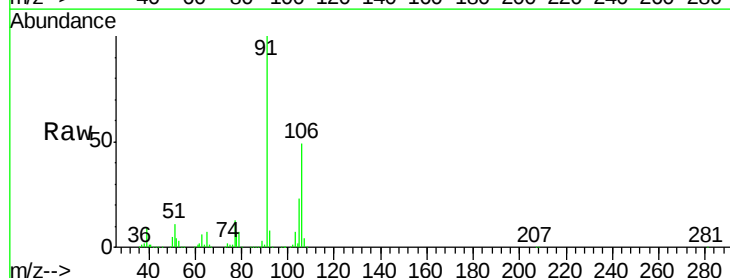
Manual Integrations
APPROVED

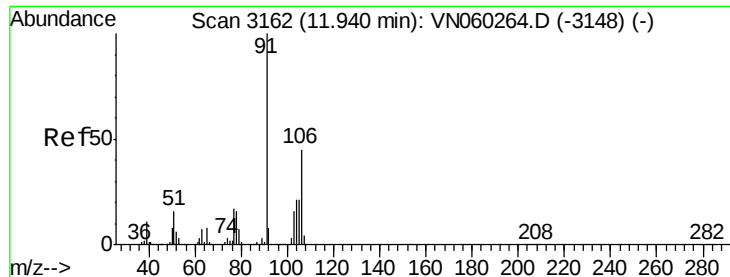
MMDadoda
3/11/2020 3:23:08 PM



#68
m/p-Xylenes
Concen: 95.879 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 106 Resp: 398860
Ion Ratio Lower Upper
106 100
91 204.9 164.5 246.7





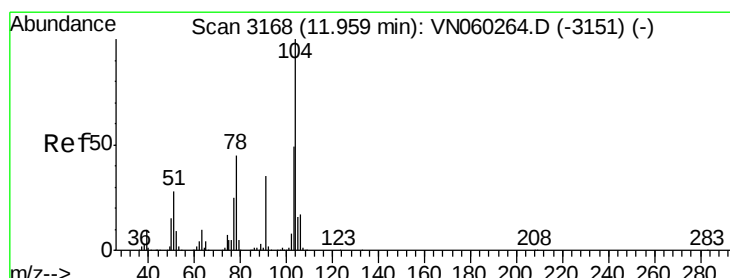
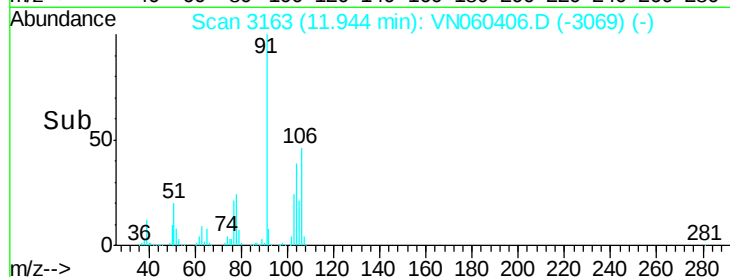
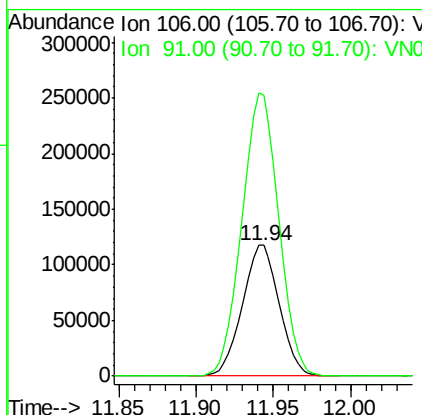
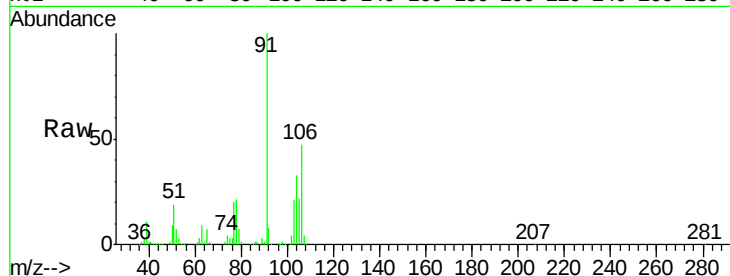
#69
o-Xylene
Concen: 49.156 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.5	109.5	328.4

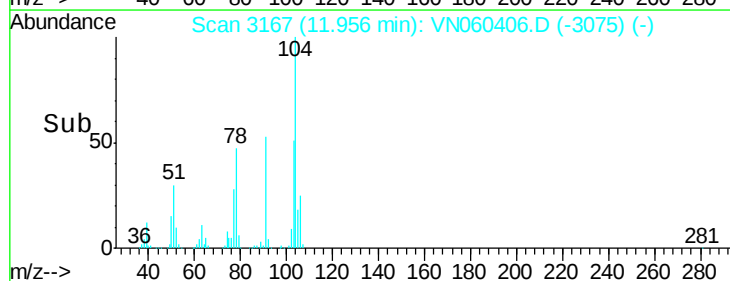
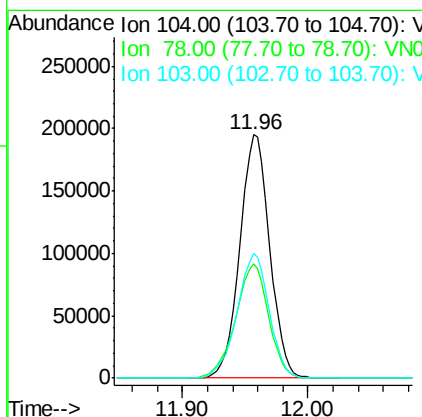
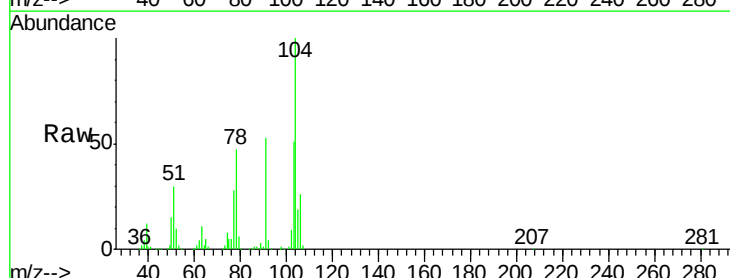
Manual Integrations
APPROVED

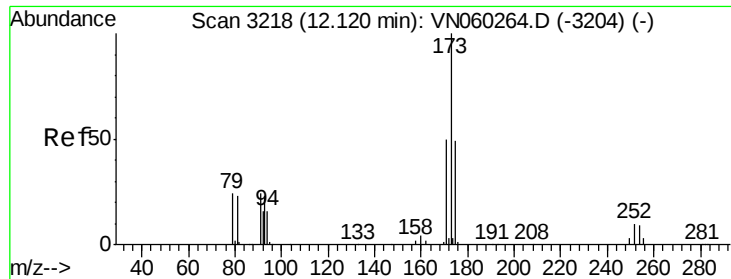
MMDadoda
3/11/2020 3:23:08 PM



#70
Styrene
Concen: 49.596 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.2	61.8
103	55.1	43.9	65.9





#71

Bromoform

Concen: 52.998 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

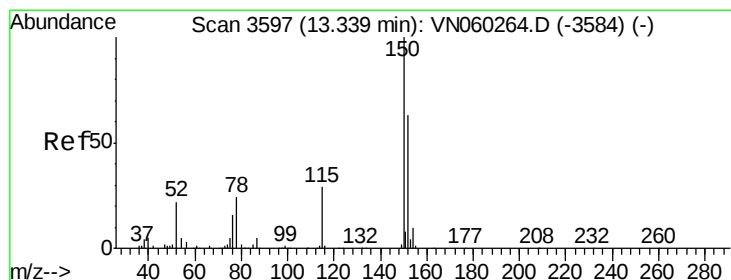
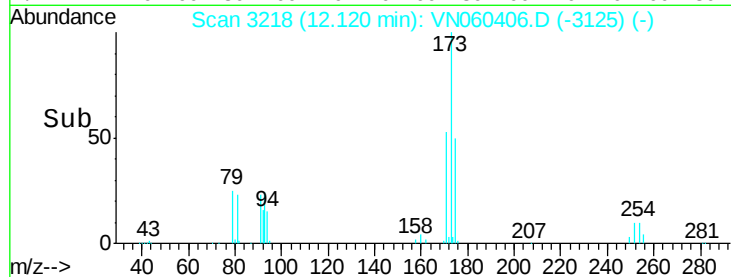
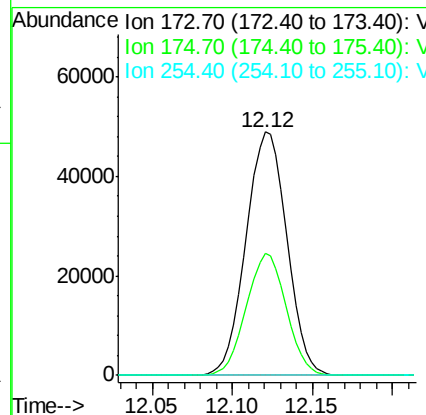
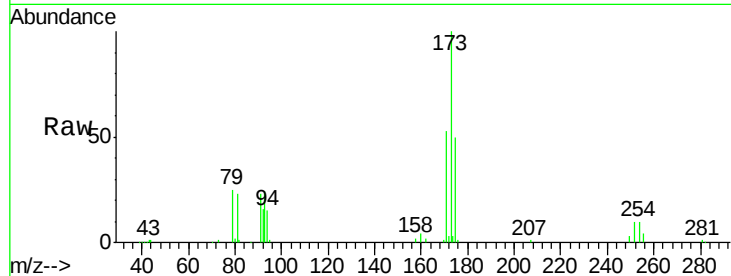
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	85510
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

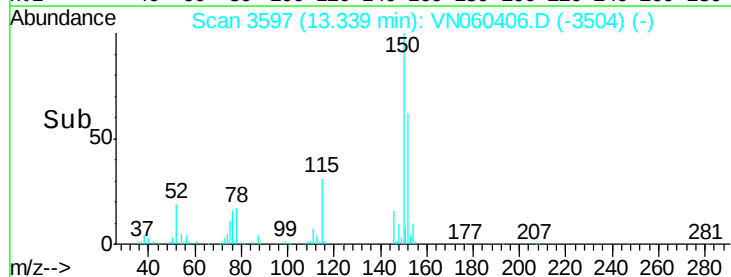
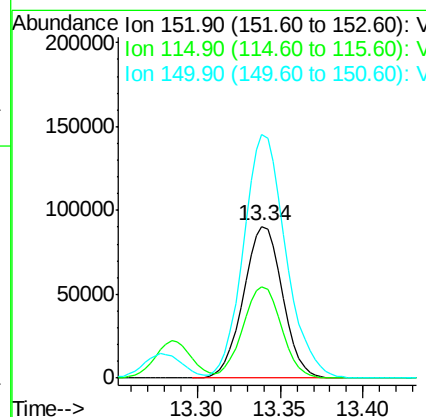
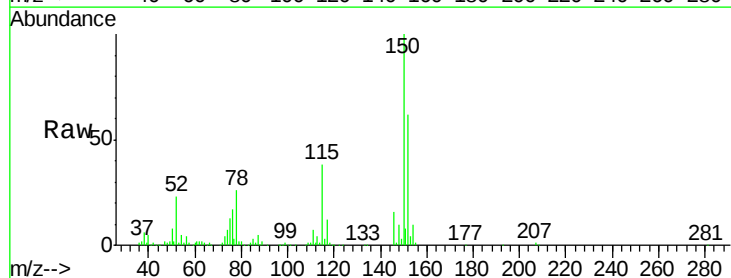
RT: 13.34 min Scan# 3597

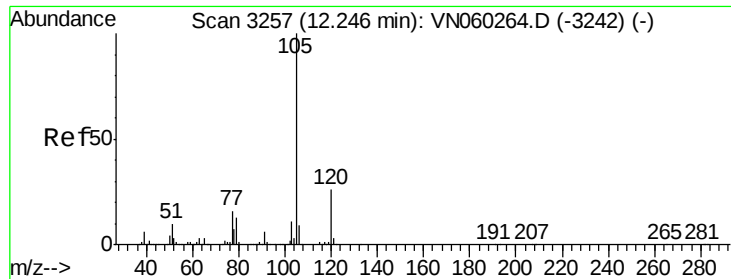
Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion:	152	Resp:	148167
Ion Ratio	Lower	Upper	
152	100		
115	59.8	30.0	90.0
150	173.8	0.0	349.6





#73

Isopropylbenzene

Concen: 47.903 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 526074

Ion Ratio Lower Upper

105 100

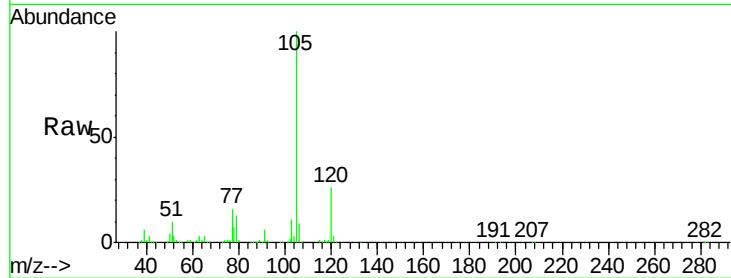
120 26.4 13.0 38.9

Manual Integrations

APPROVED

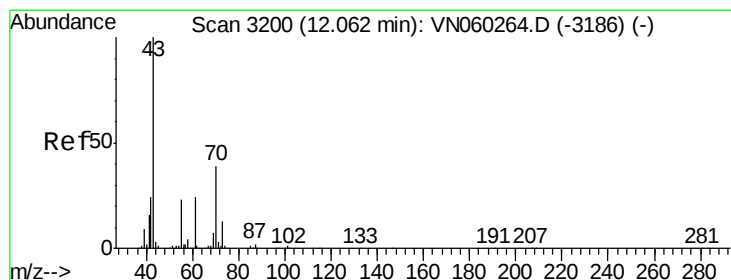
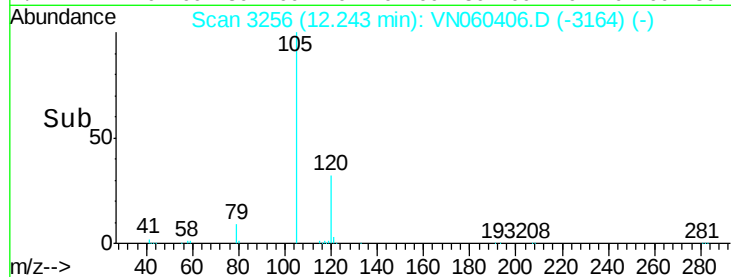
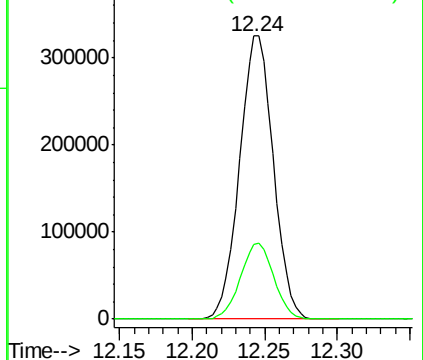
MMDadoda

3/11/2020 3:23:08 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.174 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion: 43 Resp: 235979

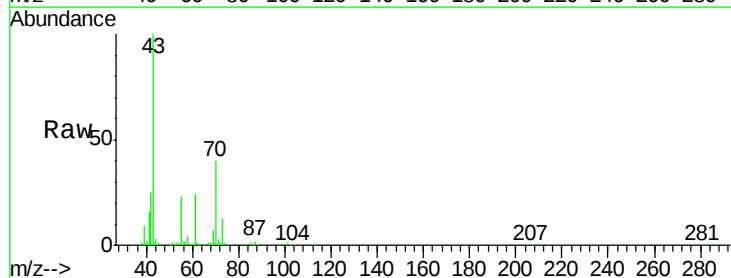
Ion Ratio Lower Upper

43 100

70 40.1 32.2 48.2

55 24.0 18.2 27.4

61 23.6 19.2 28.8

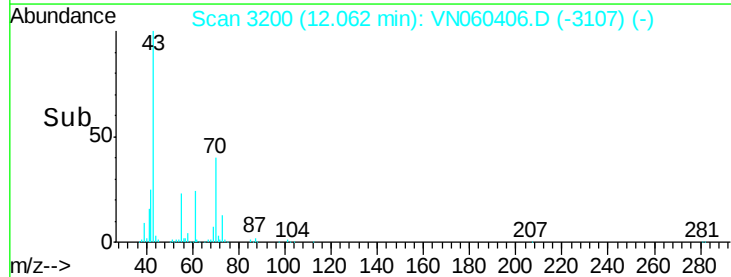
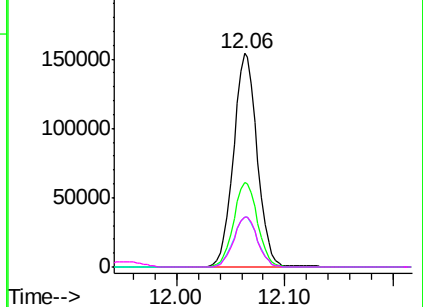


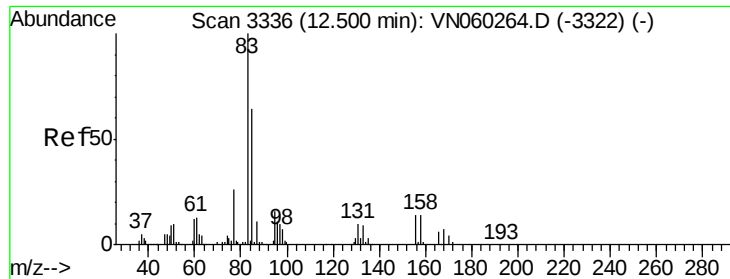
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.449 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

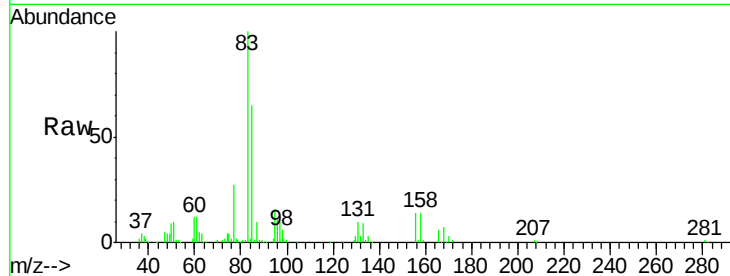
ClientSampleId :

VSTDCCC050

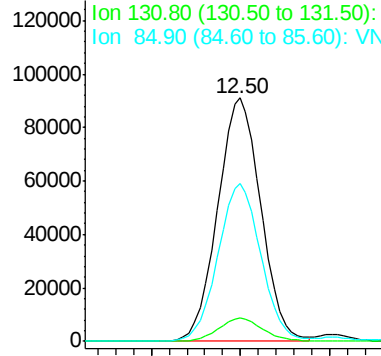
Tot Ion:	83	Resp:	153584
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
APPROVED

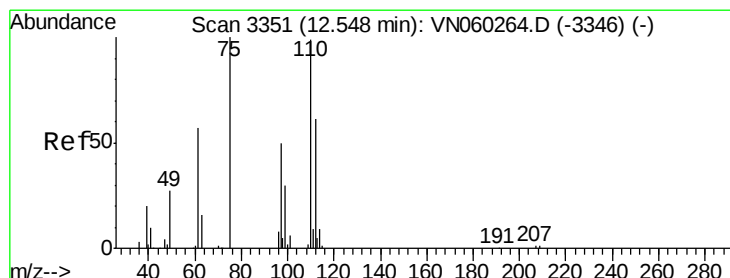
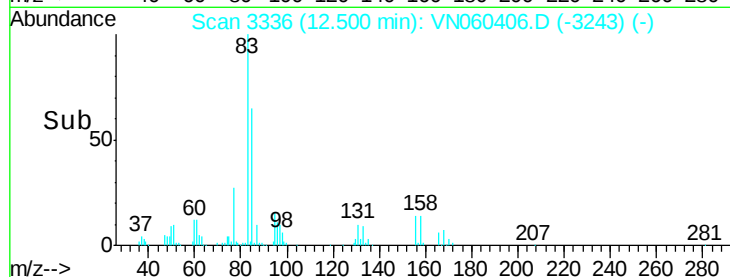
MMDadoda
3/11/2020 3:23:08 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060406.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 41.463 ug/l m

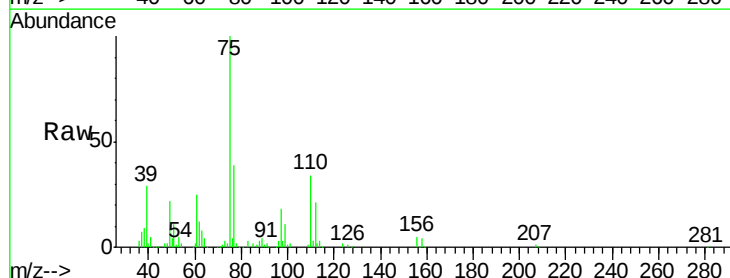
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

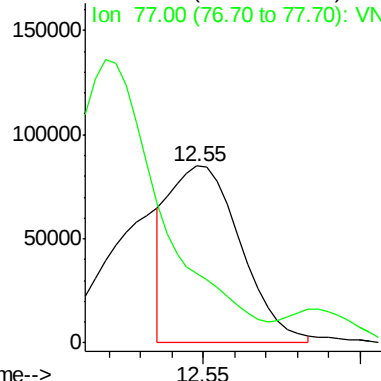
Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

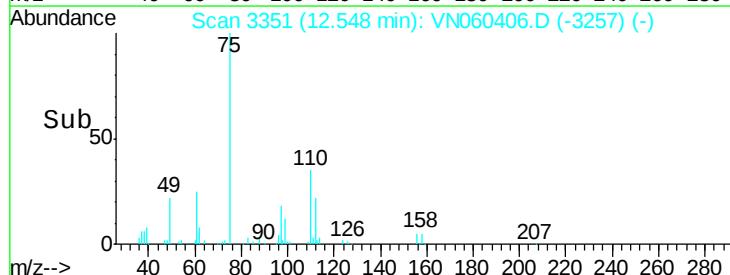
Tgt Ion:	75	Resp:	134788
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

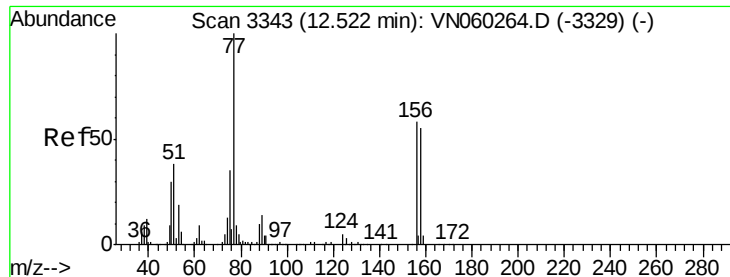


Abundance Ion 74.90 (74.60 to 75.60): VN060406.D (-3351) (-)



Time-->





#77

Bromobenzene

Concen: 47.448 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

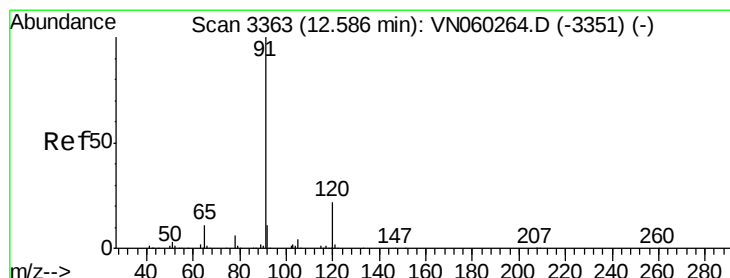
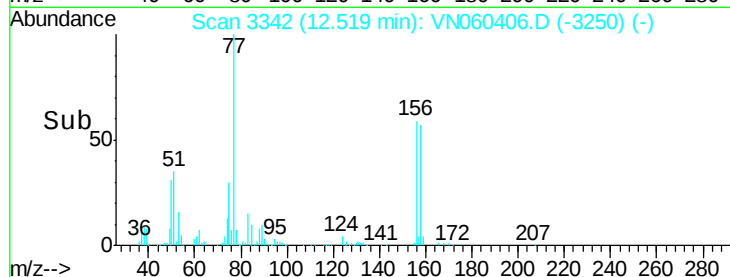
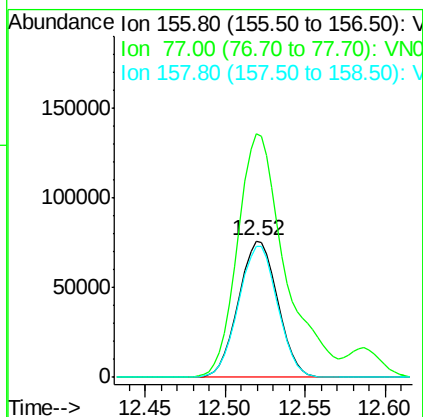
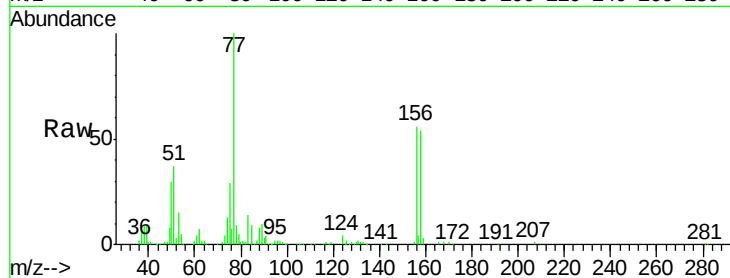
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	215.7	106.1	318.3	
158	96.1	48.3	144.8	

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#78

n-propylbenzene

Concen: 48.381 ug/l

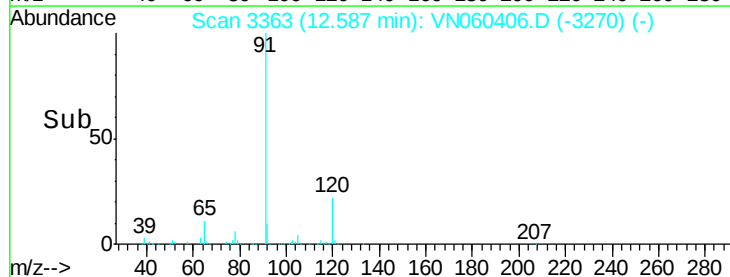
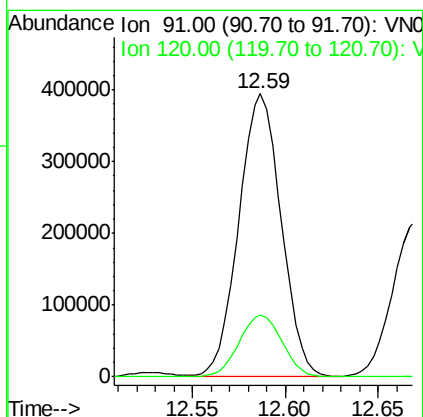
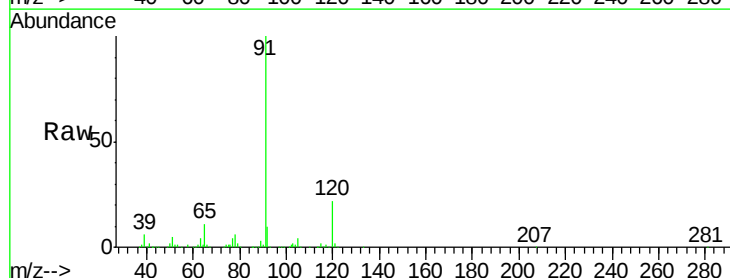
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.3	33.9	





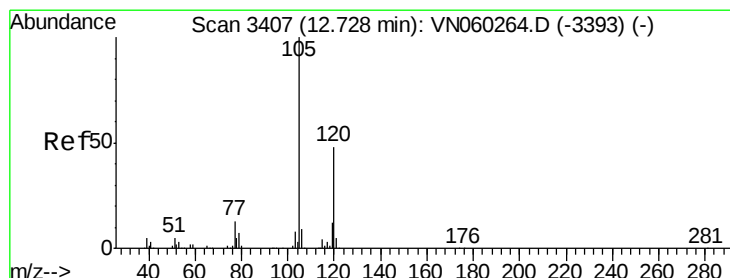
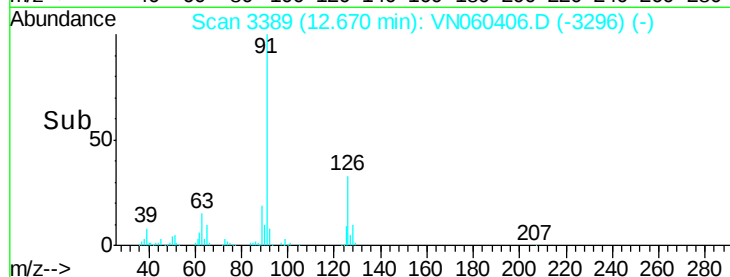
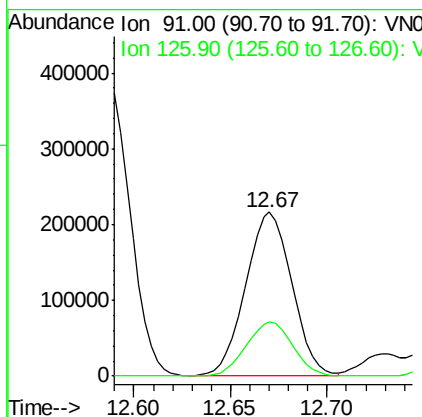
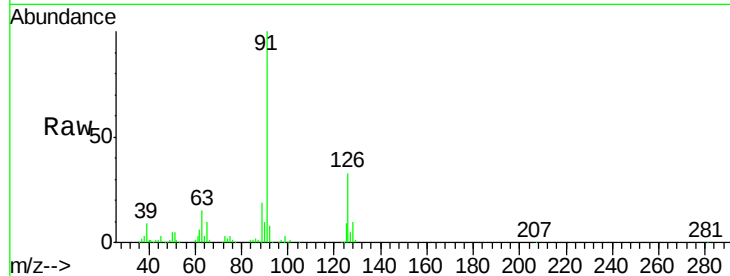
#79
 2-Chlorotoluene
 Concen: 47.617 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 360316
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.6 49.8

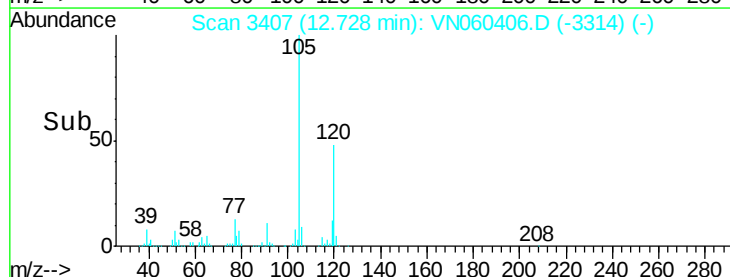
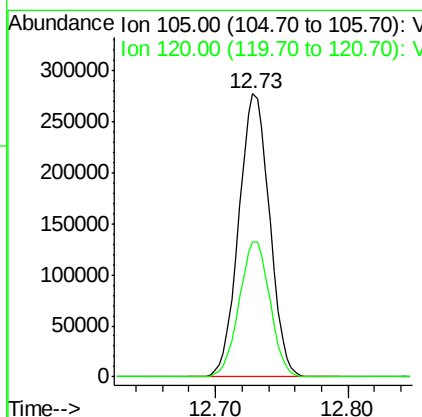
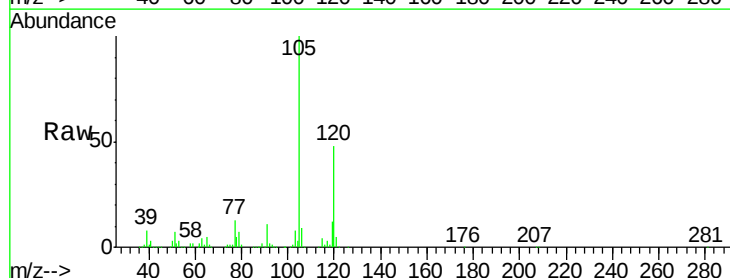
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.294 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion: 105 Resp: 446545
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.4





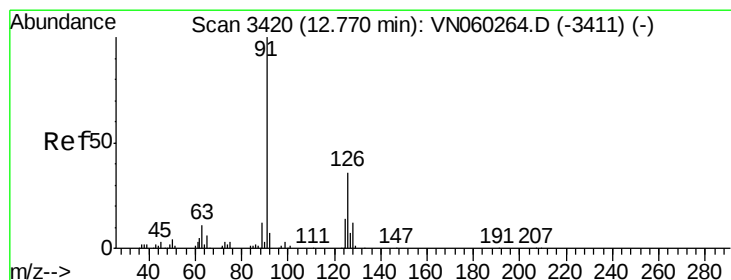
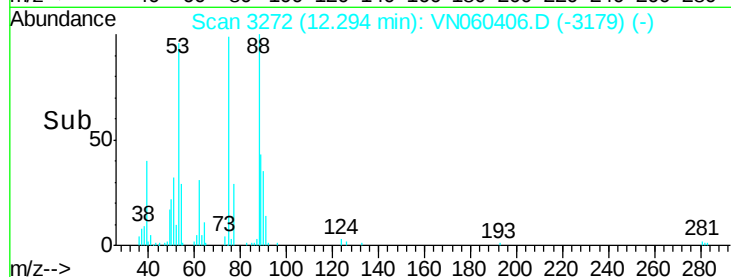
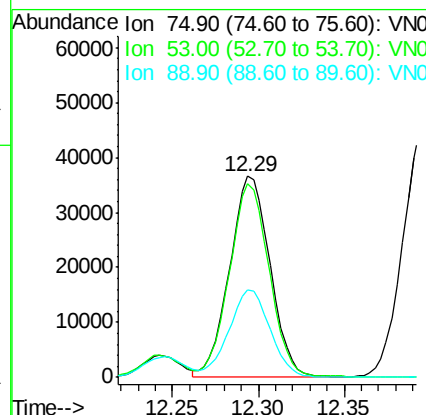
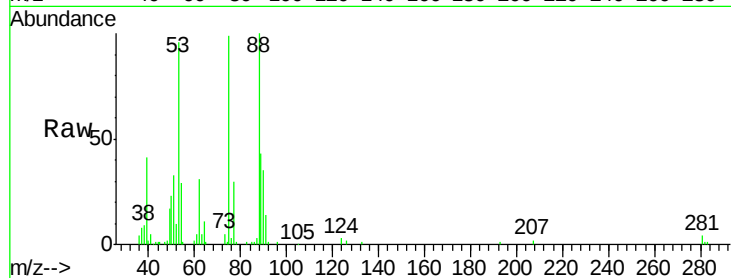
#81
trans-1,4-Dichloro-2-butene
Concen: 51.227 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	73.8	110.6
89	44.1	57.1	85.7#

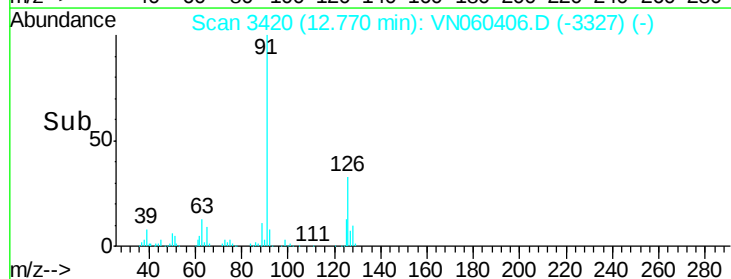
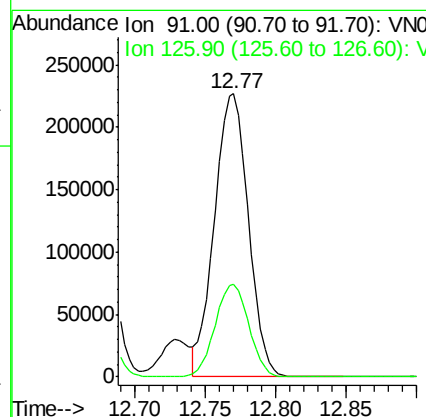
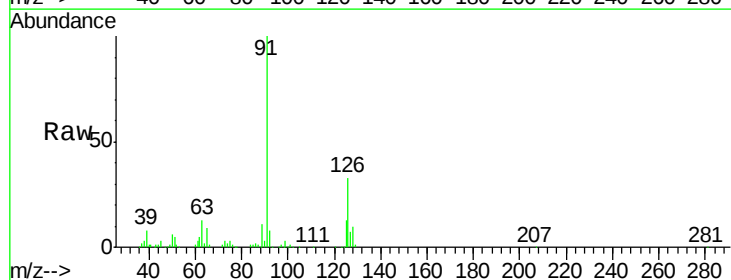
Manual Integrations
APPROVED

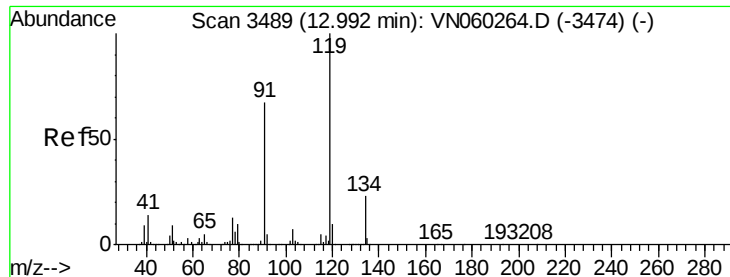
MMDadoda
3/11/2020 3:23:08 PM



#82
4-Chlorotoluene
Concen: 47.363 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.7	50.1





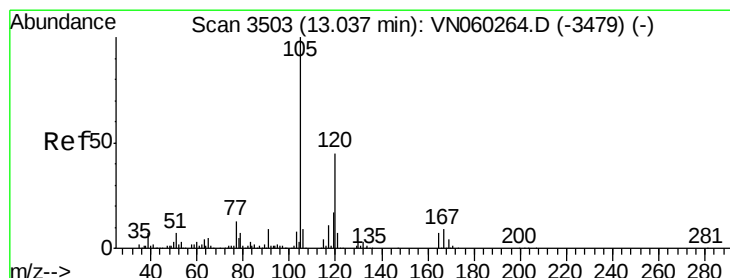
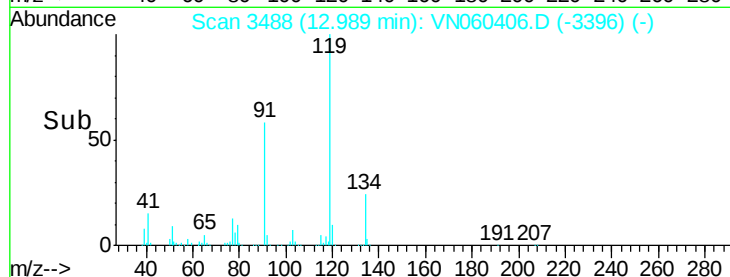
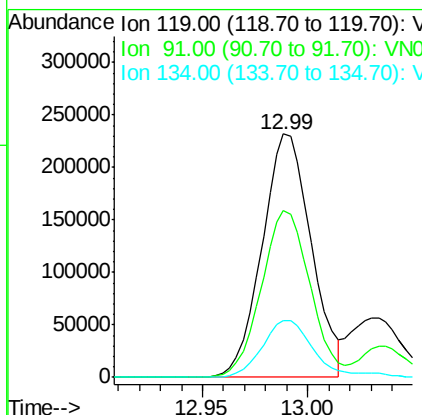
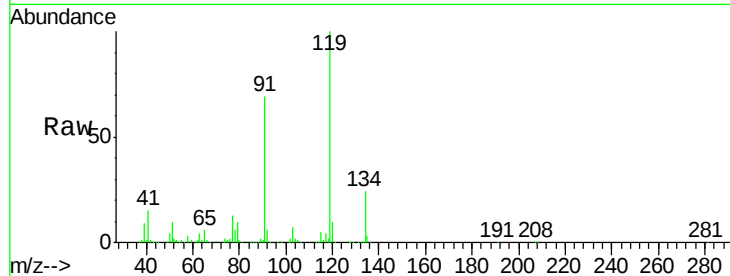
#83
 tert-Butylbenzene
 Concen: 46.988 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.1	99.2
134	25.0	12.4	37.0

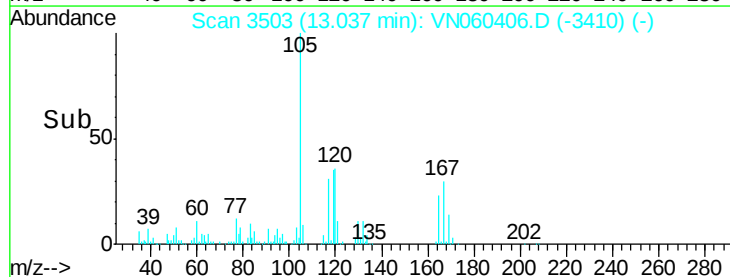
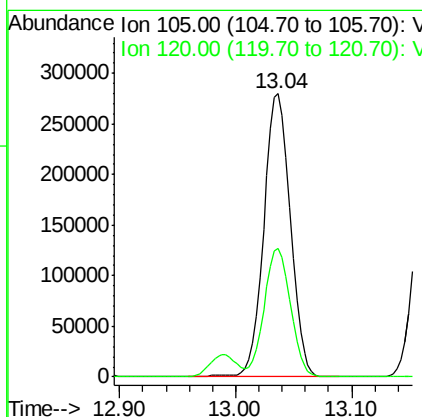
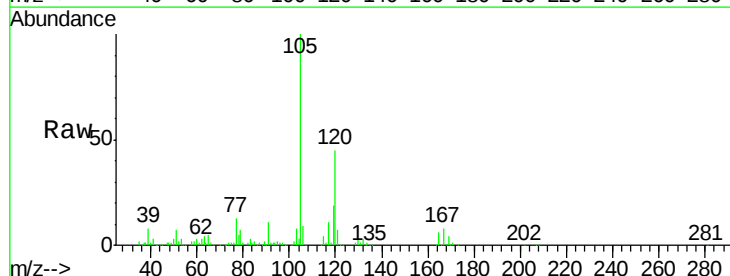
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.711 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9





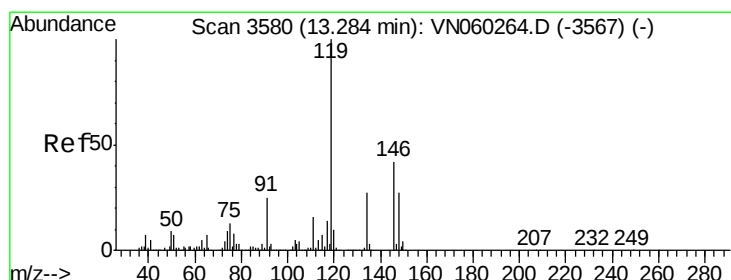
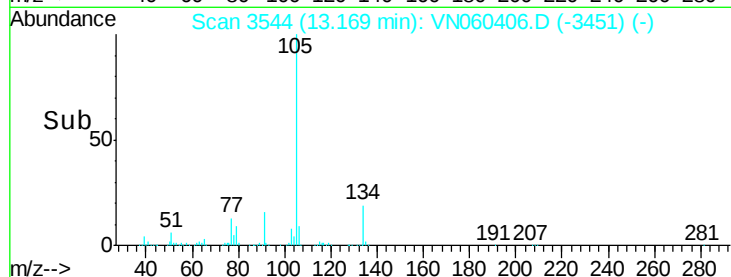
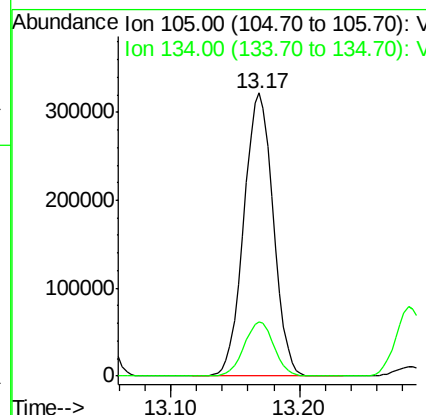
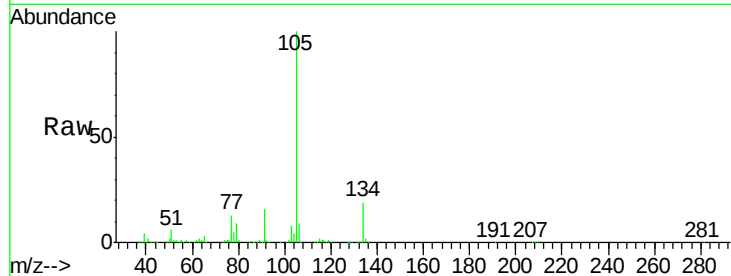
#85
 sec-Butylbenzene
 Concen: 47.609 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	510376		
134	19.4	9.8	29.5	

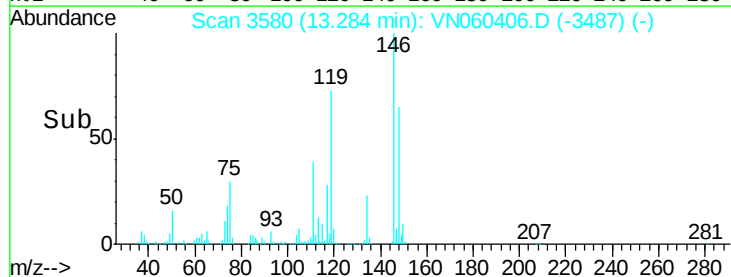
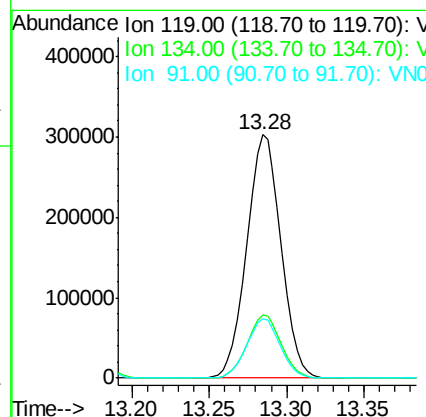
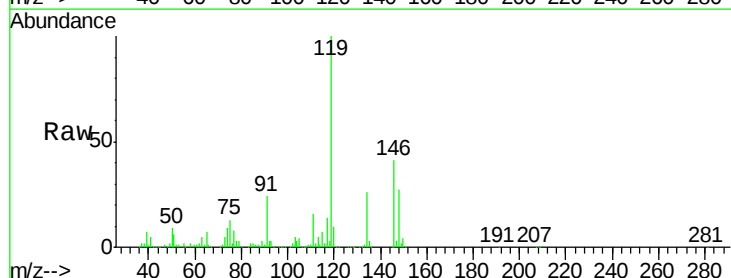
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM



#86
 p-Isopropyltoluene
 Concen: 46.722 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	463587		
134	25.9	13.2	39.6	
91	24.0	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 49.949 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060406.D

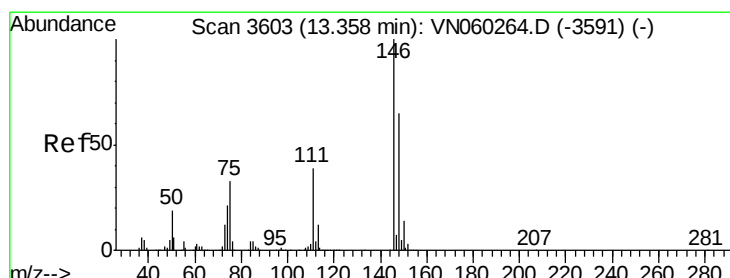
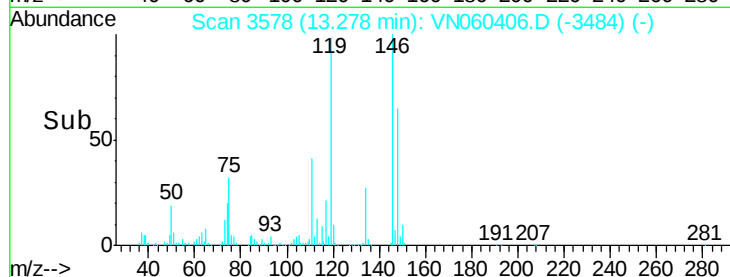
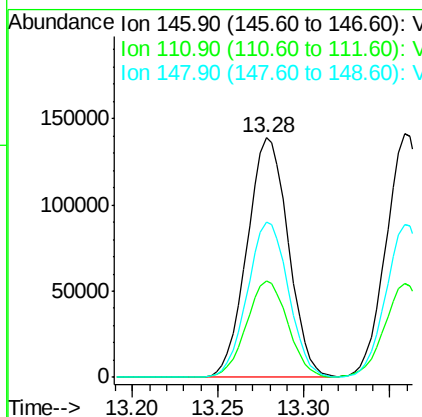
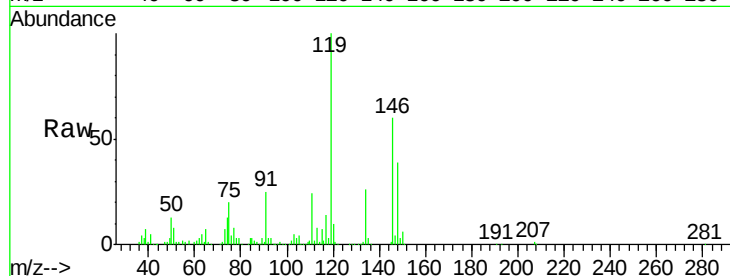
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	64.6	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#88

1,4-Dichlorobenzene

Concen: 49.846 ug/l

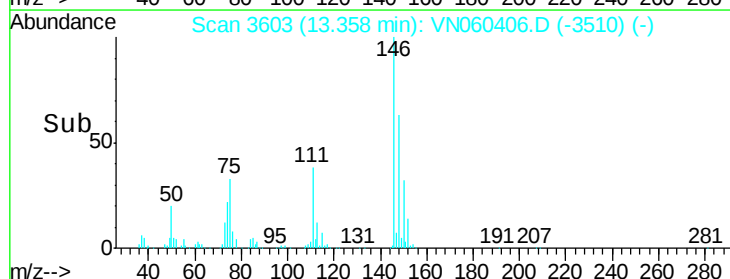
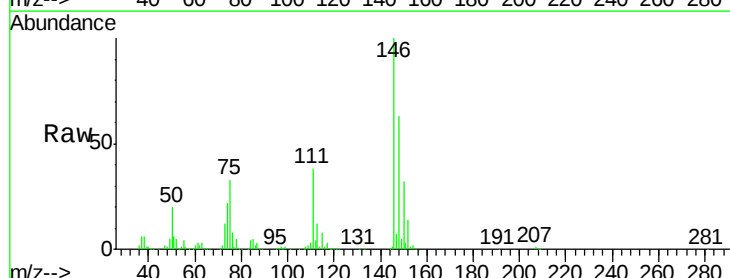
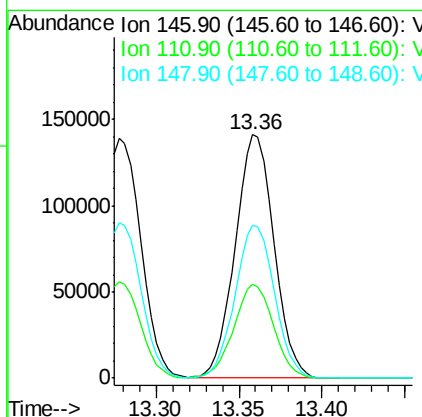
RT: 13.36 min Scan# 3603

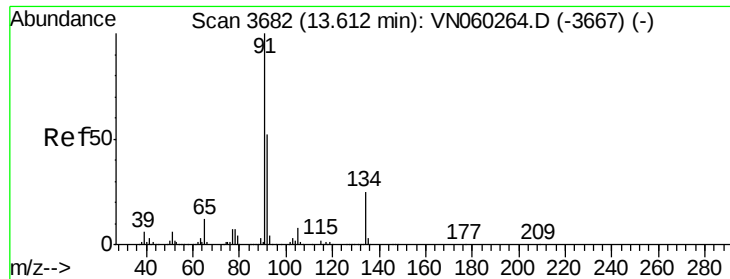
Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	63.9	32.3	96.9





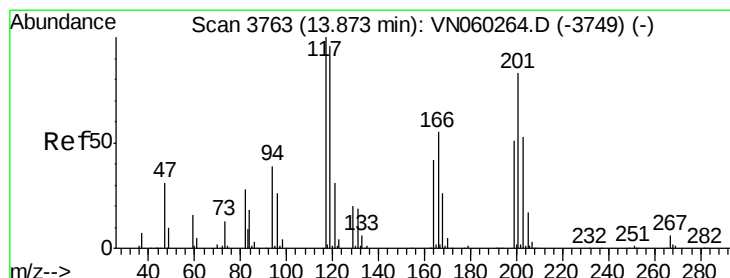
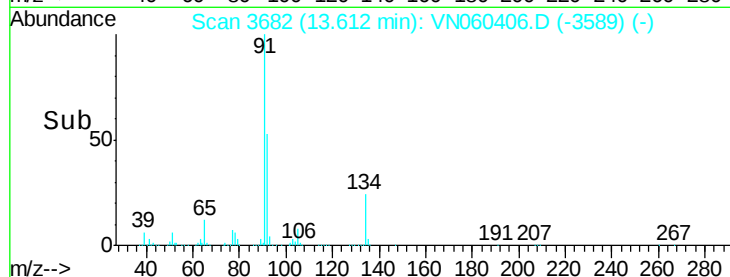
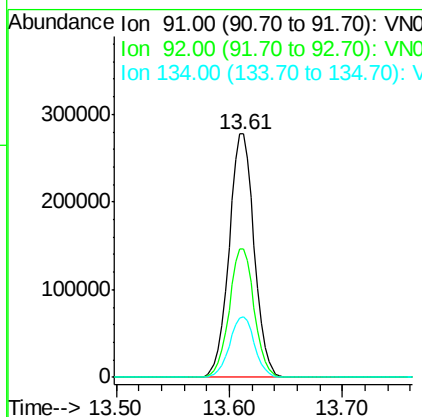
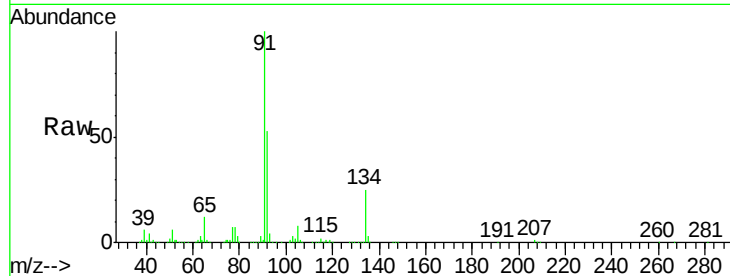
#89
n-Butylbenzene
Concen: 46.816 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	24.7	12.7	38.1

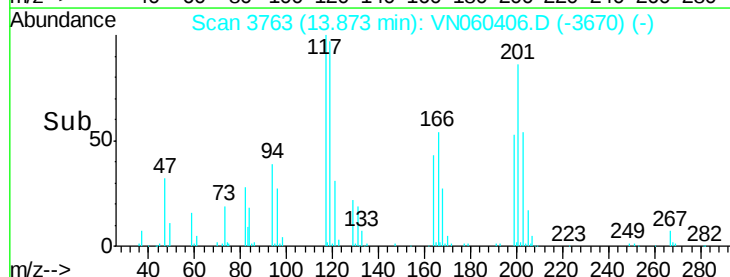
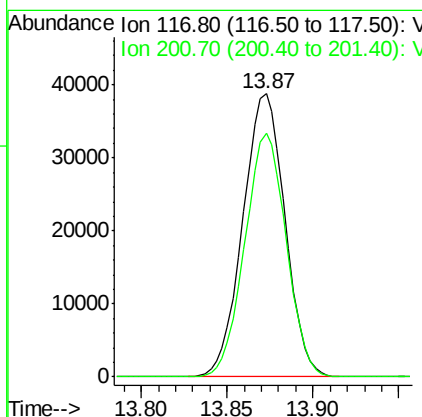
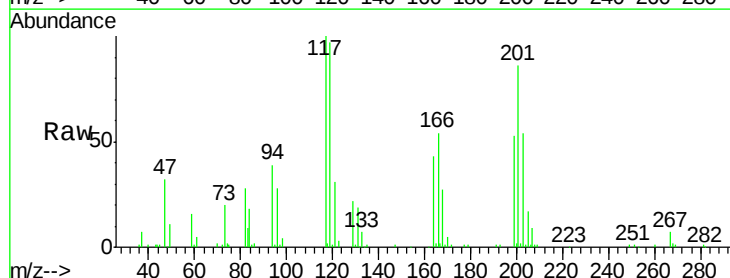
Manual Integrations
APPROVED

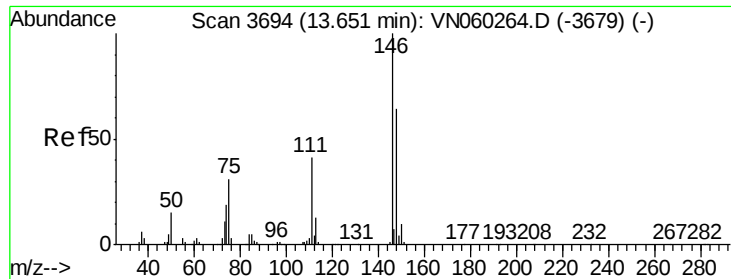
MMDadoda
3/11/2020 3:23:08 PM



#90
Hexachloroethane
Concen: 45.868 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	41.0	123.0





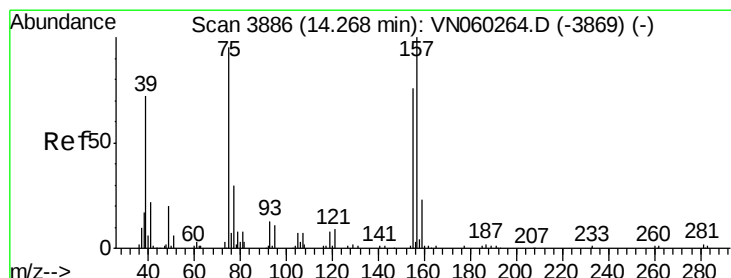
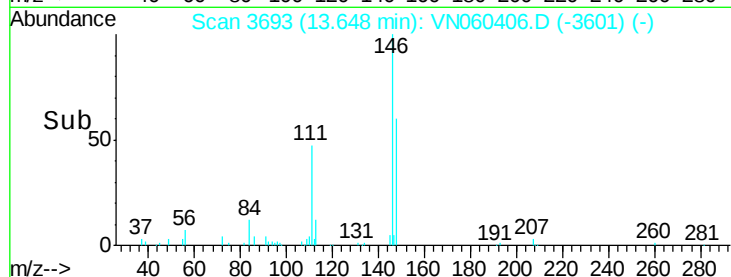
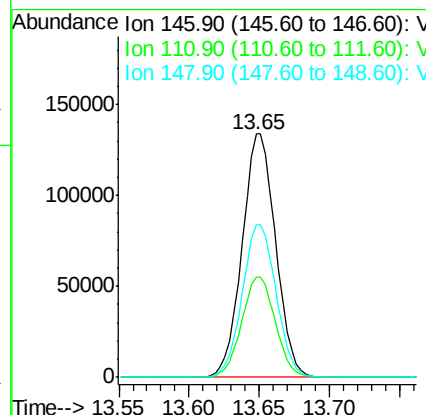
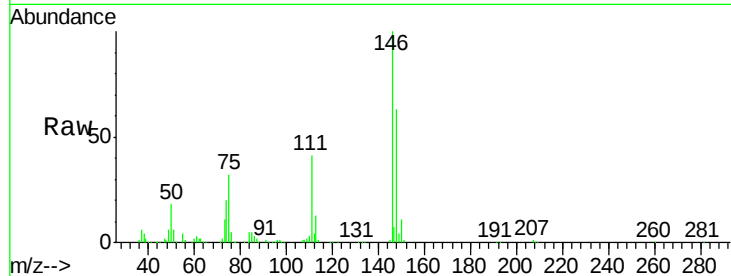
#91
 1,2-Dichlorobenzene
 Concen: 47.201 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	63.4	31.8	95.3

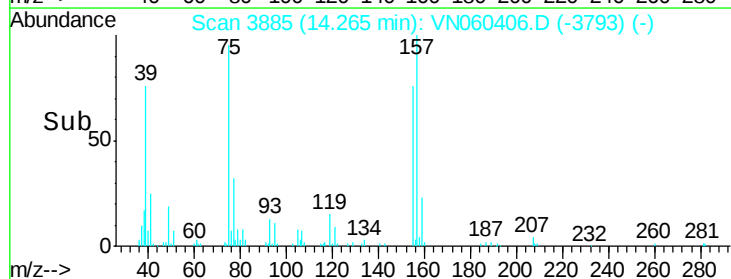
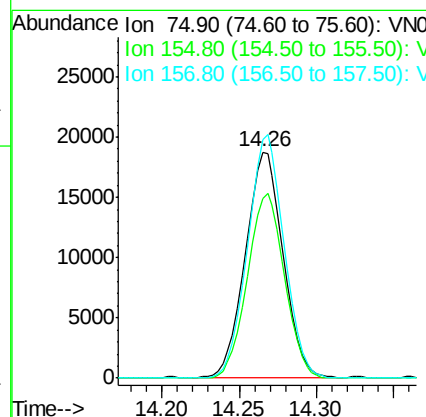
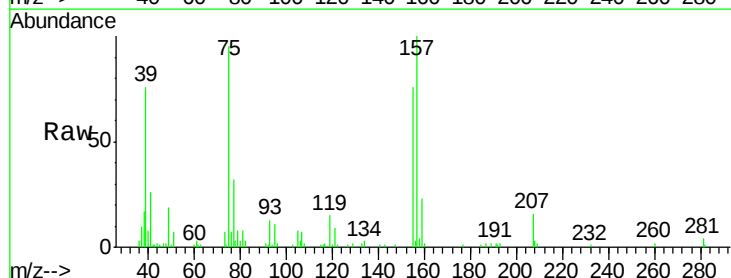
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.286 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	40.4	121.2
157	103.7	52.5	157.5





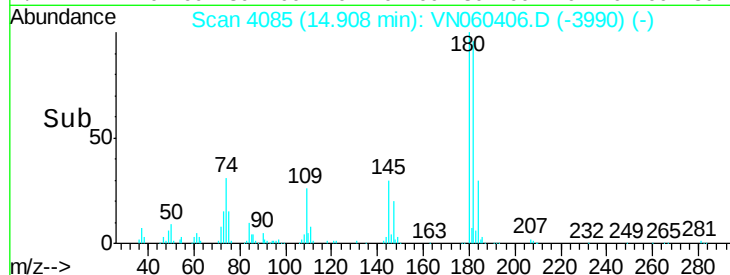
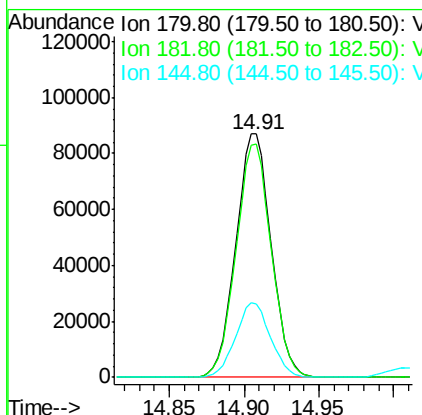
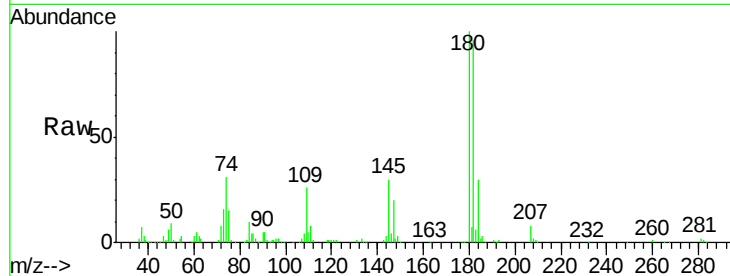
#93
 1,2,4-Trichlorobenzene
 Concen: 47.567 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	47.8	143.3
145	30.5	15.4	46.1

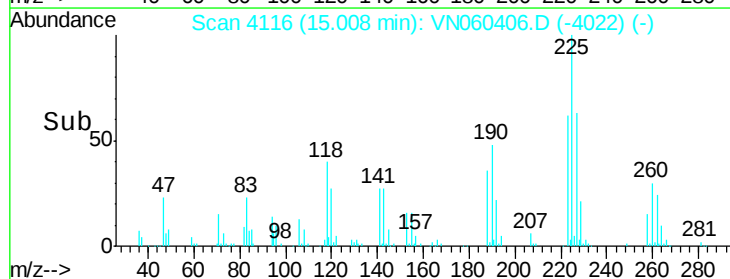
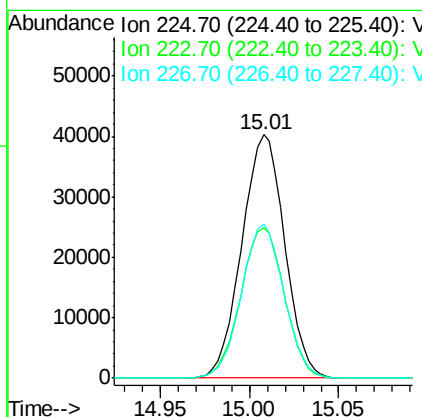
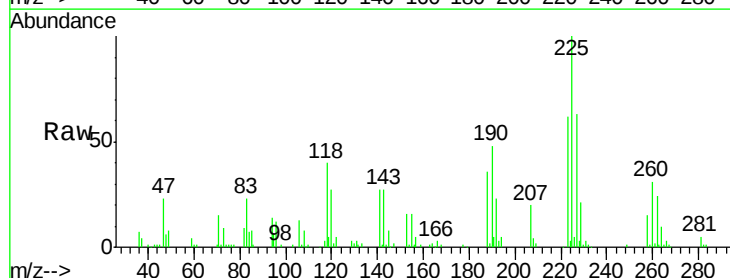
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:08 PM



#94
 Hexachlorobutadiene
 Concen: 49.163 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.7	31.3	93.9
227	62.5	32.3	96.9





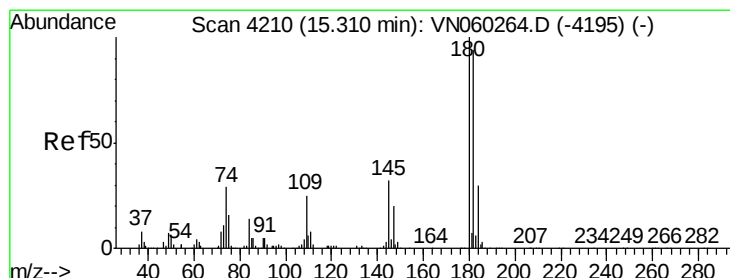
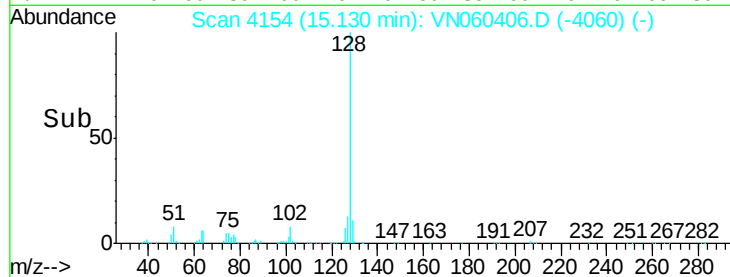
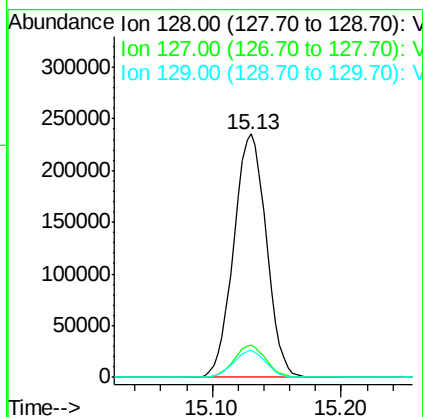
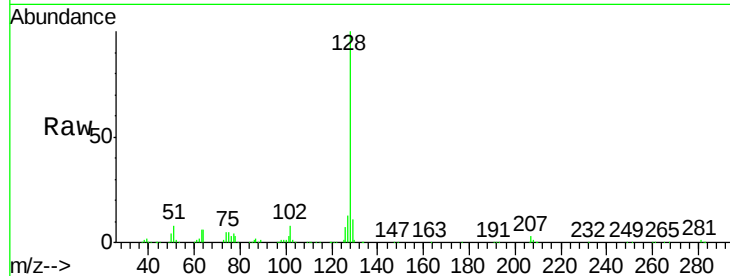
#95
Naphthalene
Concen: 46.730 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.618 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	142.0
145	32.3	16.2	48.5

