

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061038.D
 Acq On : 17 Apr 2020 1:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:50 AM

Quant Time: Apr 17 06:44:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	164662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	283839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	259890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	101062	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	7.56	113	79485	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	10.08	98	292633	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.39	95	115437	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102160	46.962	ug/l	99
3) Chloromethane	2.04	50	134606	46.091	ug/l	100
4) Vinyl Chloride	2.17	62	116884	48.161	ug/l	99
5) Bromomethane	2.54	94	57015	46.846	ug/l	98
6) Chloroethane	2.68	64	69750	49.822	ug/l	100
7) Trichlorofluoromethane	3.00	101	147333	48.762	ug/l	100
8) Diethyl Ether	3.38	74	57572	47.942	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81684	46.079	ug/l	99
10) Methyl Iodide	3.93	142	85406	54.612	ug/l	99
11) Tert butyl alcohol	4.72	59	85144	227.785	ug/l	99
12) 1,1-Dichloroethene	3.72	96	86844	48.195	ug/l	99
13) Acrolein	3.57	56	67202	212.928	ug/l	99
14) Allyl chloride	4.29	41	152806	44.819	ug/l	99
15) Acrylonitrile	4.94	53	252070	248.715	ug/l	99
16) Acetone	3.78	43	203664	219.635	ug/l	99
17) Carbon Disulfide	4.03	76	262698	46.590	ug/l	100
18) Methyl Acetate	4.28	43	141726	48.741	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	300243	47.787	ug/l	98
20) Methylene Chloride	4.52	84	96182	47.507	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	93331	48.426	ug/l	95
22) Diisopropyl ether	5.91	45	340671	48.111	ug/l	99
23) Vinyl Acetate	5.85	43	1349625	243.059	ug/l	100
24) 1,1-Dichloroethane	5.81	63	182968	47.843	ug/l	100
25) 2-Butanone	6.79	43	335288	235.962	ug/l	99
26) 2,2-Dichloropropane	6.79	77	128861	40.468	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	106007	47.910	ug/l	98
28) Bromochloromethane	7.16	49	86288	49.153	ug/l	100
29) Tetrahydrofuran	7.17	42	229713	238.128	ug/l	99
30) Chloroform	7.34	83	173563	48.657	ug/l	98
31) Cyclohexane	7.63	56	177655	45.269	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	149880	48.576	ug/l	100
36) 1,1-Dichloropropene	7.77	75	136072	46.457	ug/l	100
37) Ethyl Acetate	6.89	43	145267	45.676	ug/l	99
38) Carbon Tetrachloride	7.75	117	119893	49.177	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061038.D
 Acq On : 17 Apr 2020 1:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:50 AM

Quant Time: Apr 17 06:44:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	159552	45.564	ug/l	98
40) Benzene	8.02	78	406728	46.808	ug/l	99
41) Methacrylonitrile	7.13	41	58375	44.006	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	141266	47.724	ug/l	100
43) Isopropyl Acetate	8.14	43	245319	47.428	ug/l	100
44) Trichloroethene	8.81	130	100421	45.994	ug/l	100
45) 1,2-Dichloropropane	9.10	63	109992	46.865	ug/l	97
46) Dibromomethane	9.19	93	66673	49.271	ug/l	99
47) Bromodichloromethane	9.38	83	136803	47.856	ug/l	97
48) Methyl methacrylate	9.18	41	110423	48.307	ug/l	99
49) 1,4-Dioxane	9.17	88	28410	896.548	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	719962	241.454	ug/l	100
52) Toluene	10.14	92	244123	46.831	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	157143	47.324	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	167731	46.296	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	94057	47.680	ug/l	97
56) Ethyl methacrylate	10.42	69	154351	49.758	ug/l	99
57) 1,3-Dichloropropane	10.69	76	166687	47.372	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	367279	260.563	ug/l	100
59) 2-Hexanone	10.74	43	537930	250.154	ug/l	98
60) Dibromochloromethane	10.89	129	101046	49.864	ug/l	99
61) 1,2-Dibromoethane	10.99	107	97516	48.512	ug/l	99
64) Tetrachloroethene	10.62	164	91791	46.156	ug/l	99
65) Chlorobenzene	11.42	112	249440	46.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	91670	47.758	ug/l	100
67) Ethyl Benzene	11.50	91	474221	46.990	ug/l	99
68) m/p-Xylenes	11.61	106	346091	94.892	ug/l	100
69) o-Xylene	11.94	106	165311	47.141	ug/l	99
70) Styrene	11.96	104	278498	49.331	ug/l	99
71) Bromoform	12.12	173	71317	49.776	ug/l #	100
73) Isopropylbenzene	12.24	105	444156	45.650	ug/l	100
74) N-amyl acetate	12.06	43	215982	47.735	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	139662	47.024	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	117833m	44.110	ug/l	
77) Bromobenzene	12.52	156	104662	46.072	ug/l	99
78) n-propylbenzene	12.58	91	531238	46.668	ug/l	100
79) 2-Chlorotoluene	12.67	91	308821	46.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	376116	46.768	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	47246	43.625	ug/l	99
82) 4-Chlorotoluene	12.77	91	321579	46.442	ug/l	100
83) tert-Butylbenzene	12.99	119	310328	45.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	374330	47.088	ug/l	99
85) sec-Butylbenzene	13.17	105	423864	46.253	ug/l	100
86) p-Isopropyltoluene	13.28	119	381460	46.746	ug/l	100
87) 1,3-Dichlorobenzene	13.27	146	188864	46.650	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	187362	46.002	ug/l	100
89) n-Butylbenzene	13.61	91	349364	46.039	ug/l	100
90) Hexachloroethane	13.87	117	57899	46.246	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	181137	46.878	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29149	50.711	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
Data File : VN061038.D
Acq On : 17 Apr 2020 1:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM

Quant Time: Apr 17 06:44:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	110415	48.279	ug/l	100
94) Hexachlorobutadiene	15.00	225	51119	43.449	ug/l	99
95) Naphthalene	15.13	128	335572	50.312	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	107579	48.811	ug/l	100

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

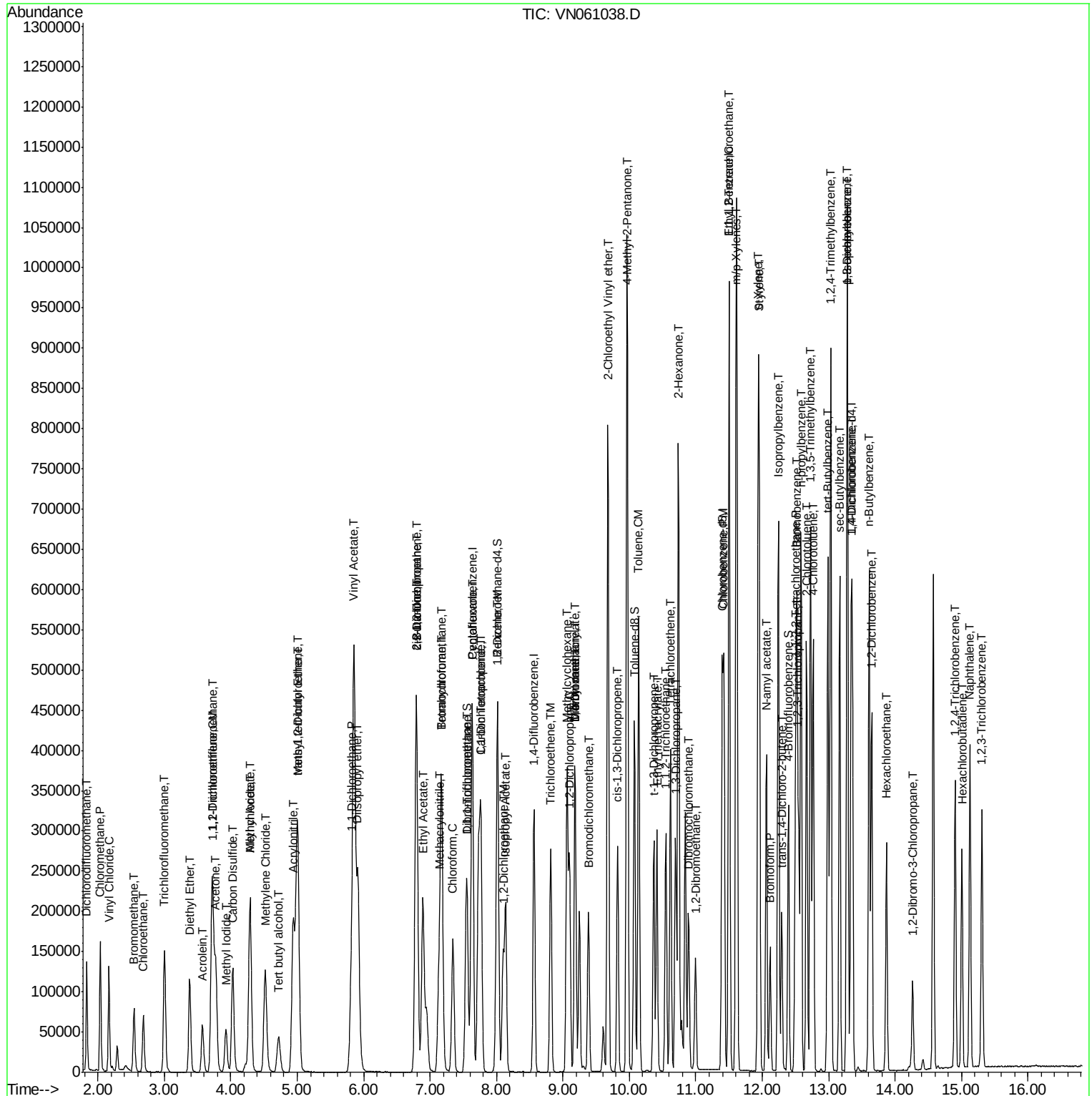
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041620\
Data File : VN061038.D
Acq On : 17 Apr 2020 1:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 1

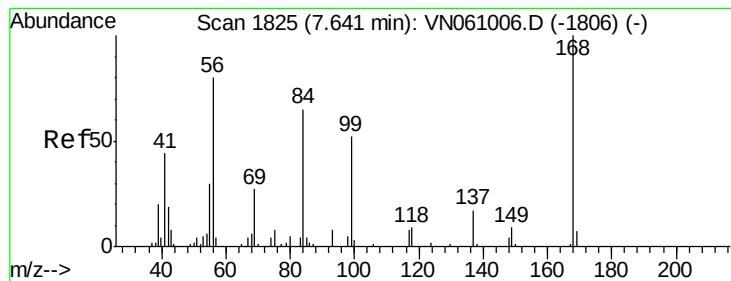
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM

Quant Time: Apr 17 06:44:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 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: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 164662

Ion Ratio Lower Upper

168 100

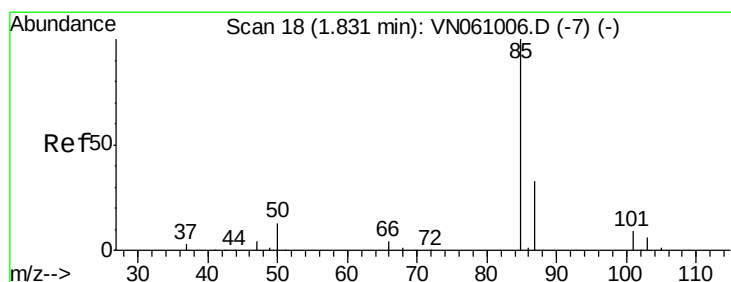
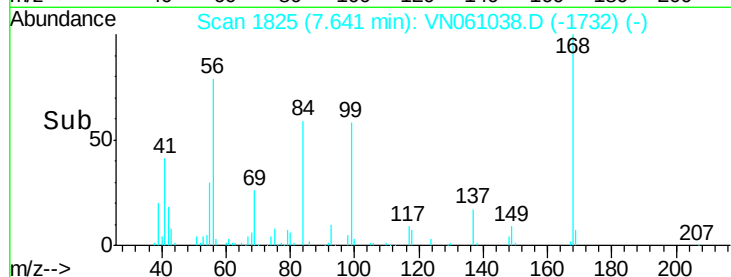
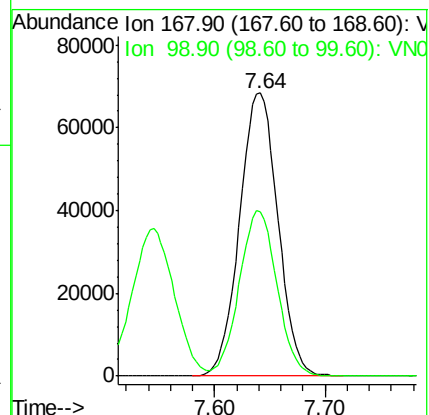
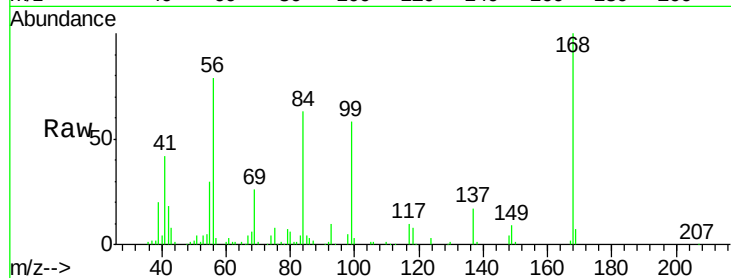
99 58.3 47.4 71.2

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#2

Dichlorodifluoromethane

Concen: 46.962 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061038.D

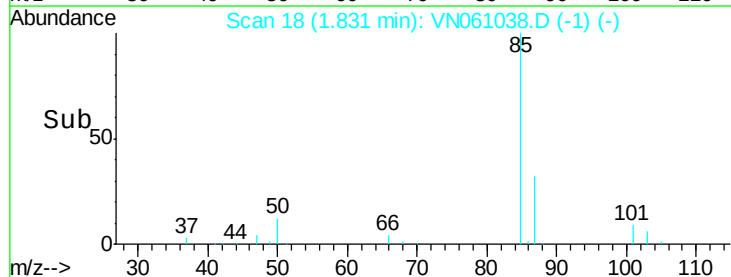
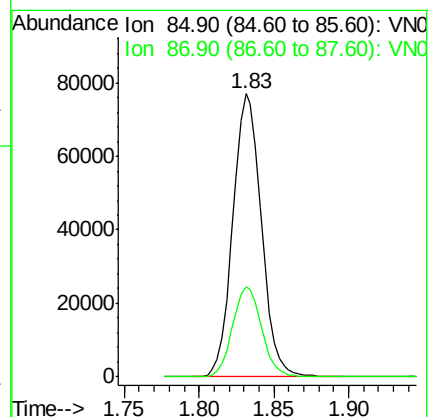
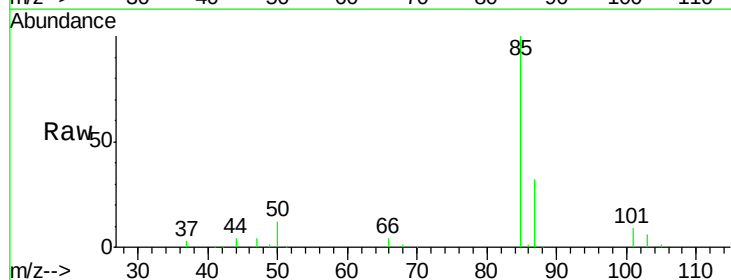
Acq: 17 Apr 2020 1:23

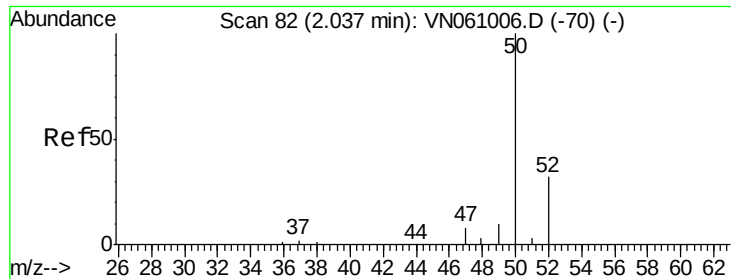
Tgt Ion: 85 Resp: 102160

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9





#3

Chloromethane

Concen: 46.091 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Tot Ion: 50 Resp: 134606

Ion Ratio Lower Upper

50 100

52 31.8 25.6 38.4

Instrument :

MSVOA_N

ClientSampleId :

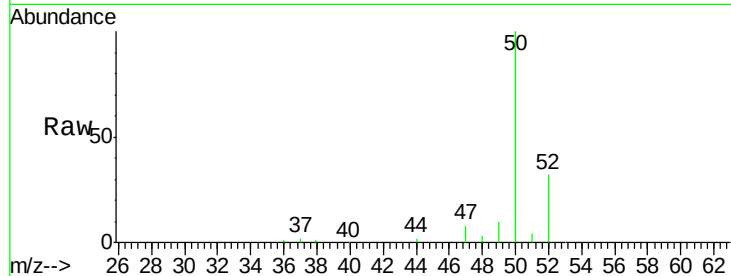
VSTDCCC050EC

Manual Integrations

APPROVED

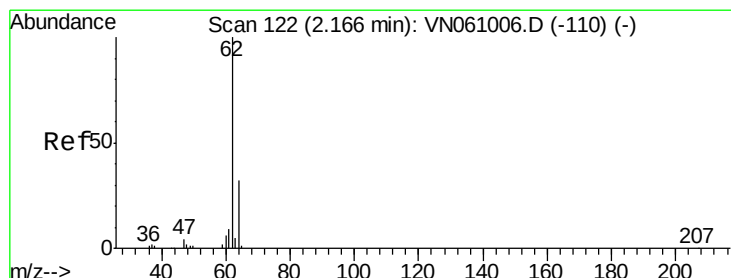
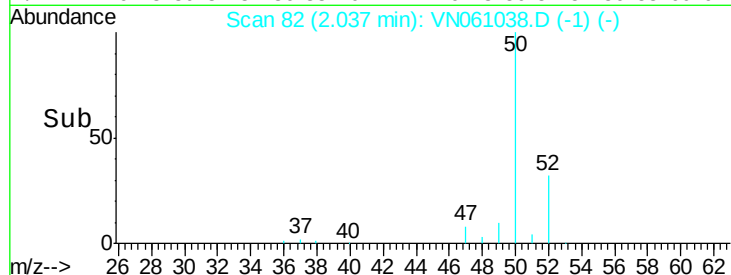
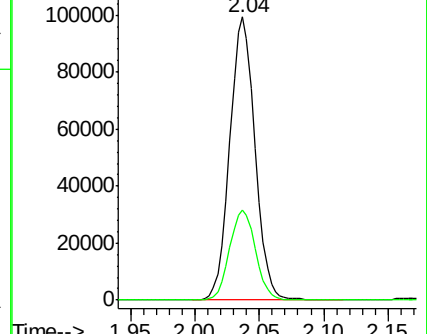
MMDadoda

4/17/2020 11:53:50 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.161 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061038.D

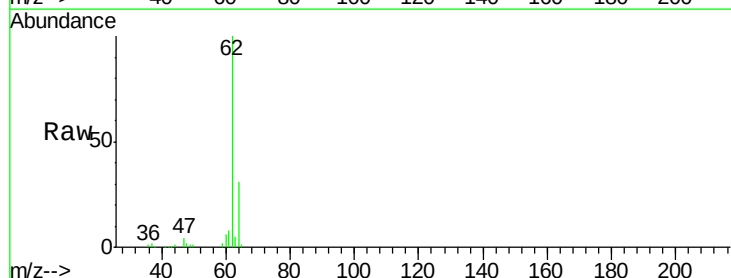
Acq: 17 Apr 2020 1:23

Tgt Ion: 62 Resp: 116884

Ion Ratio Lower Upper

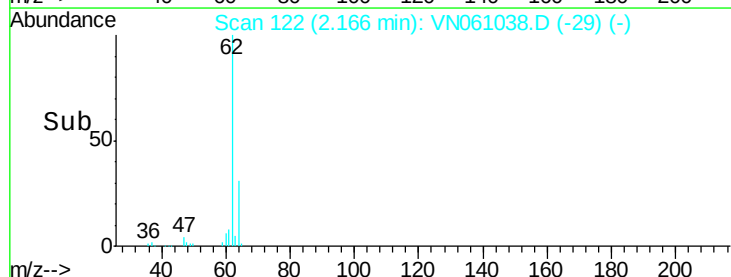
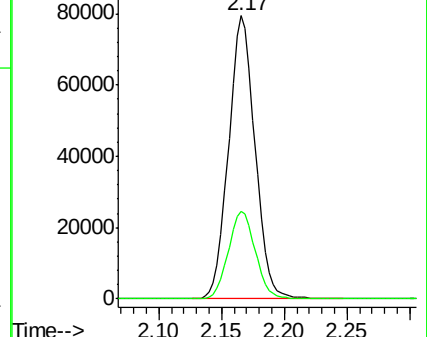
62 100

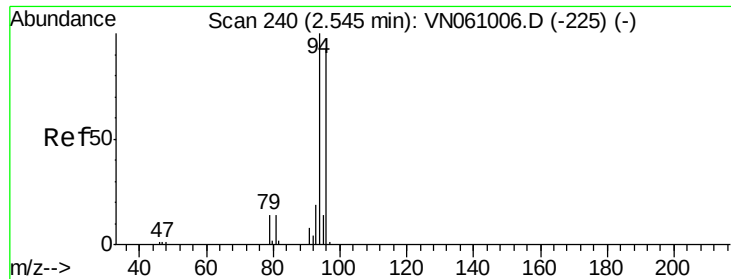
64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 46.846 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 57015

Ion Ratio Lower Upper

94 100

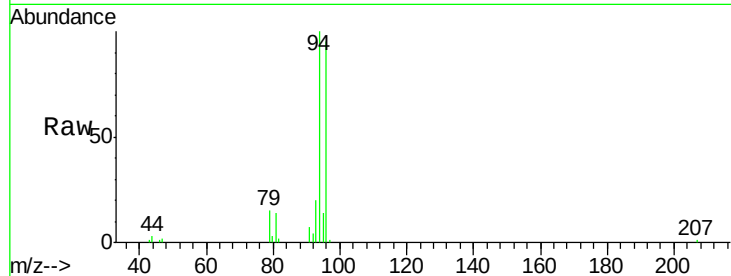
96 95.1 74.3 111.5

Manual Integrations

APPROVED

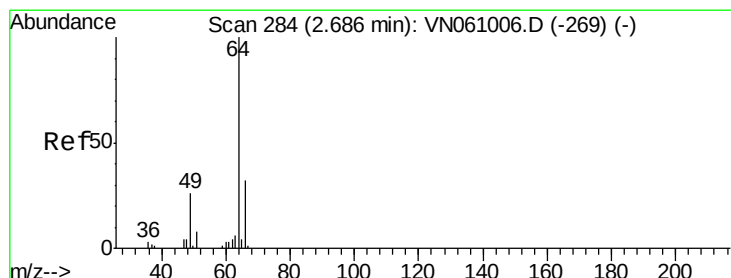
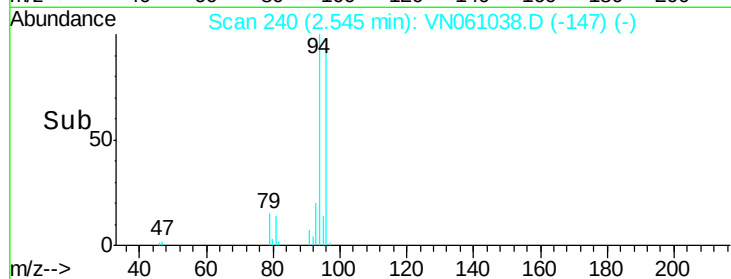
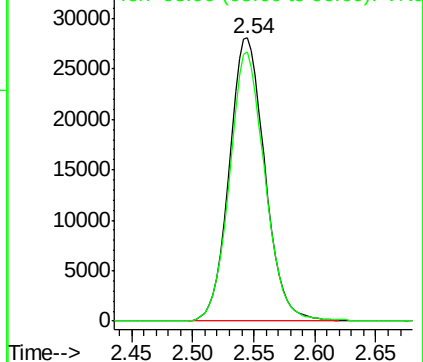
MMDadoda

4/17/2020 11:53:50 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.822 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061038.D

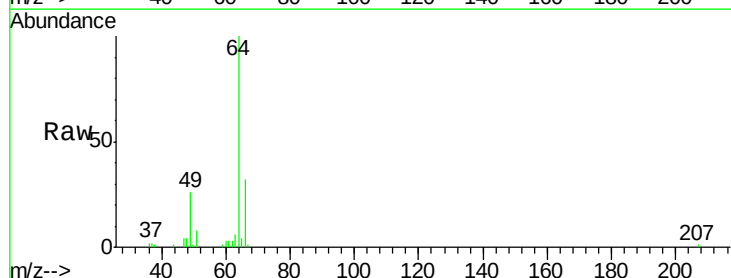
Acq: 17 Apr 2020 1:23

Tgt Ion: 64 Resp: 69750

Ion Ratio Lower Upper

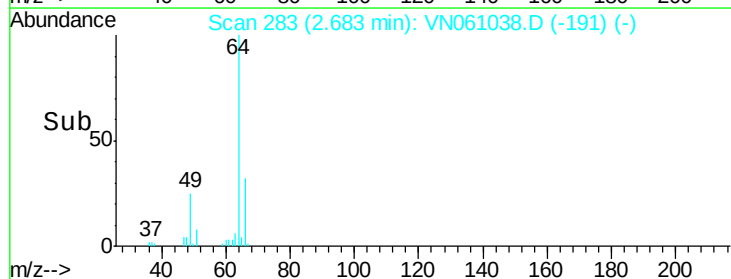
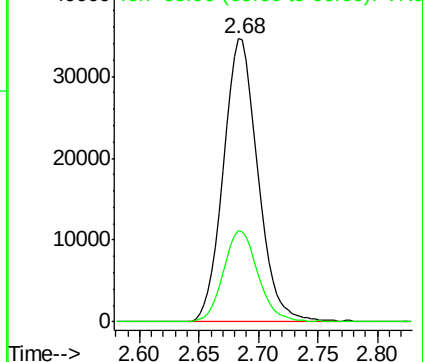
64 100

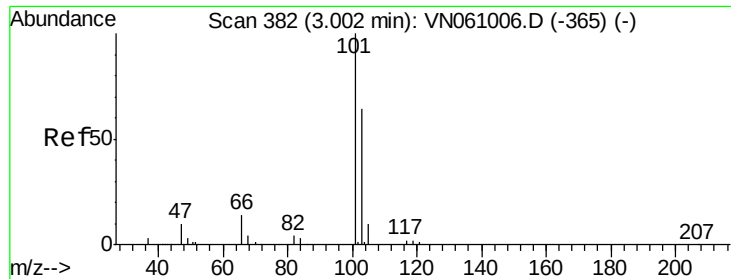
66 32.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

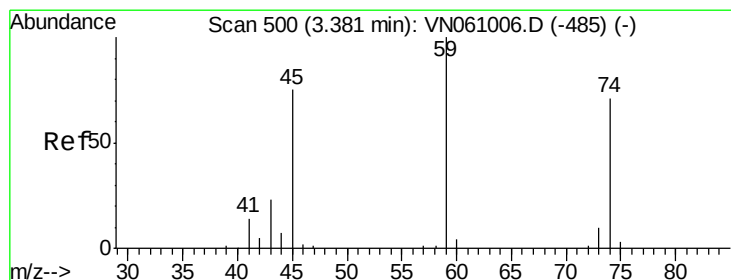
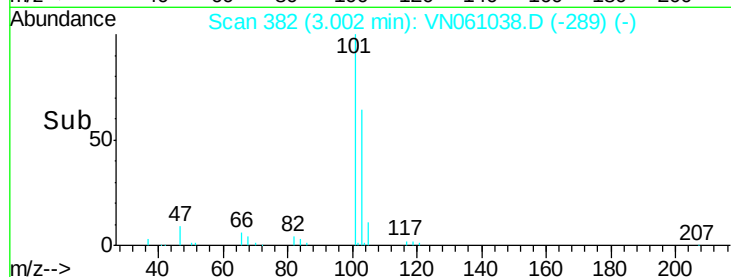
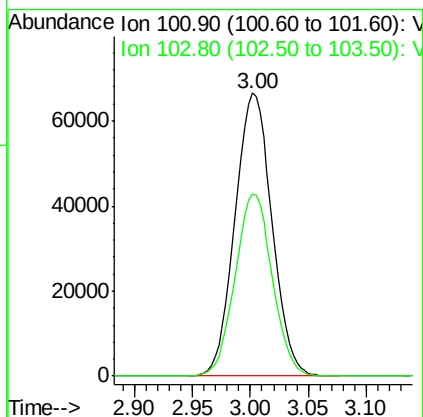
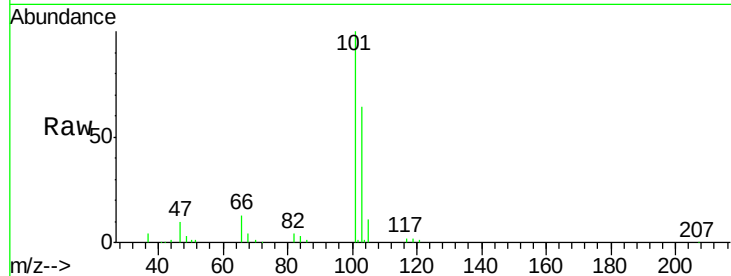
Trichlorofluoromethane
 Concen: 48.762 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

Manual Integrations
 APPROVED

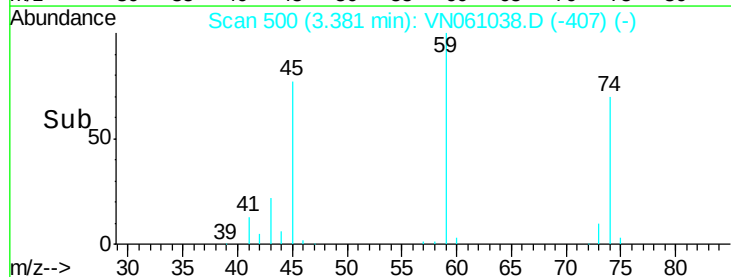
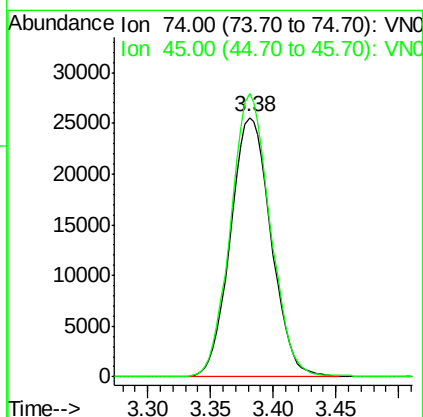
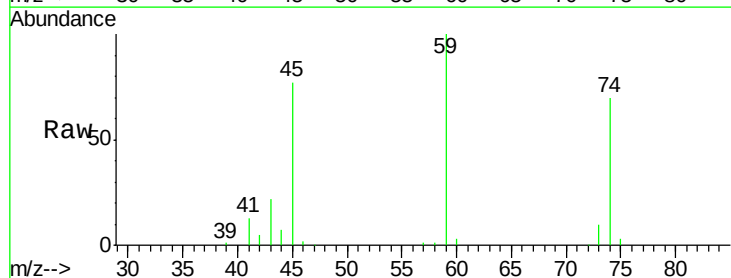
MMDadoda
 4/17/2020 11:53:50 AM

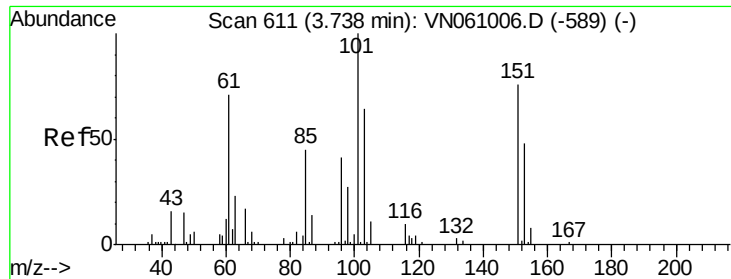


#8

Diethyl Ether
 Concen: 47.942 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.079 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

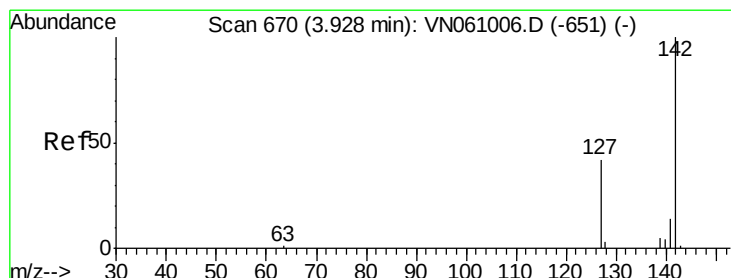
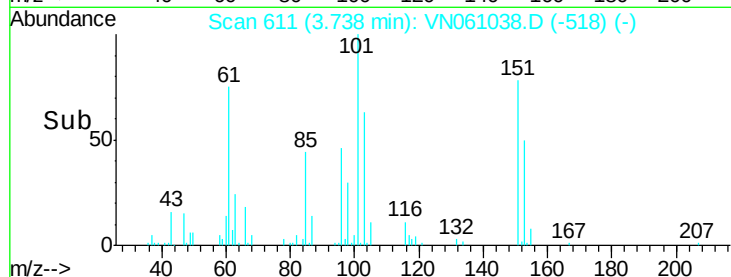
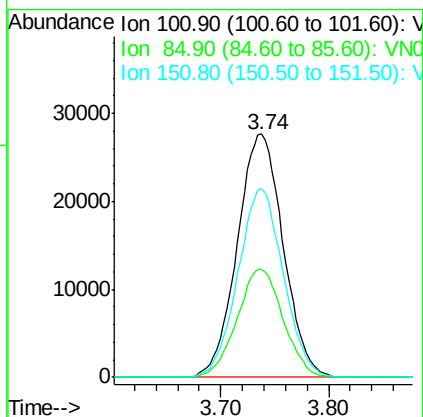
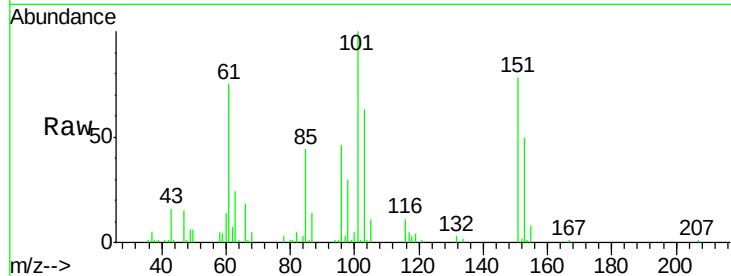
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	81684
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.9	53.9
151	76.8	60.8	91.2

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM



#10

Methyl Iodide

Concen: 54.612 ug/l

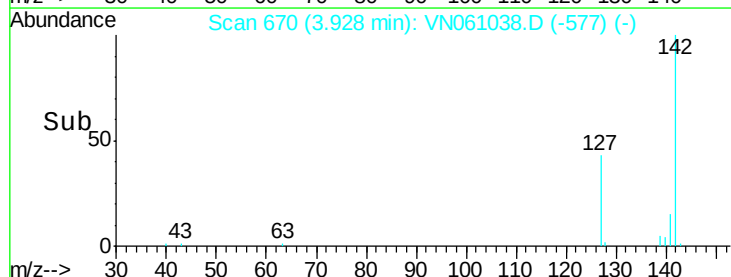
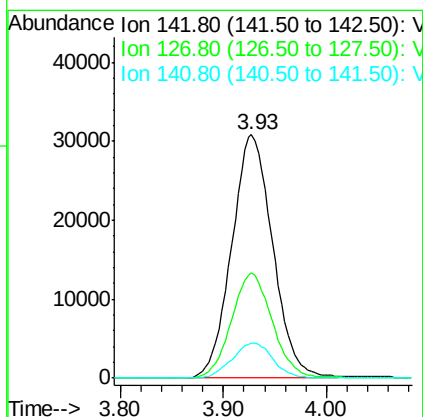
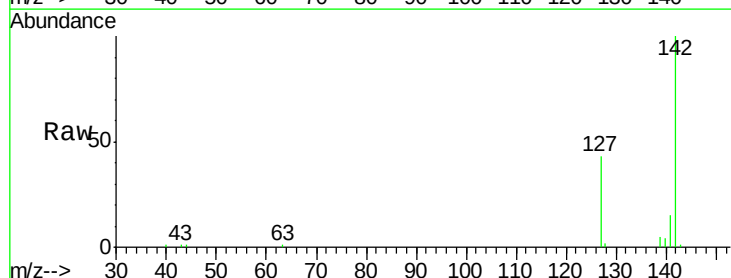
RT: 3.93 min Scan# 670

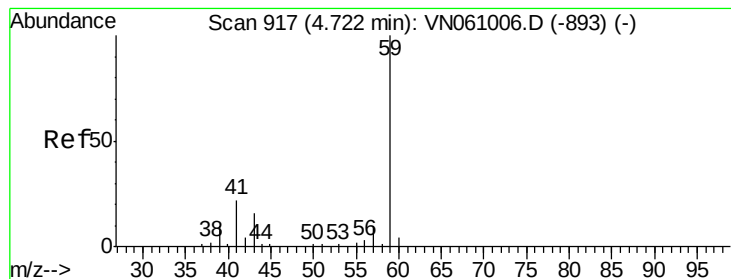
Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Tgt Ion:	142	Resp:	85406
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.4	50.2
141	14.3	11.0	16.6





#11

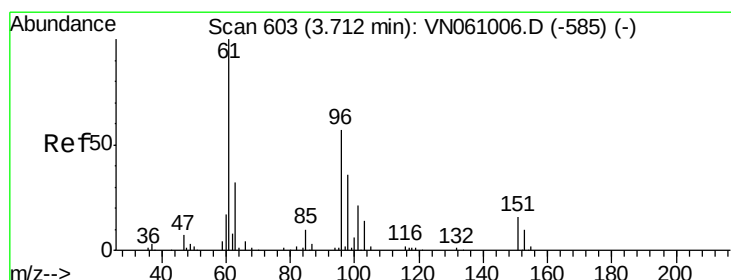
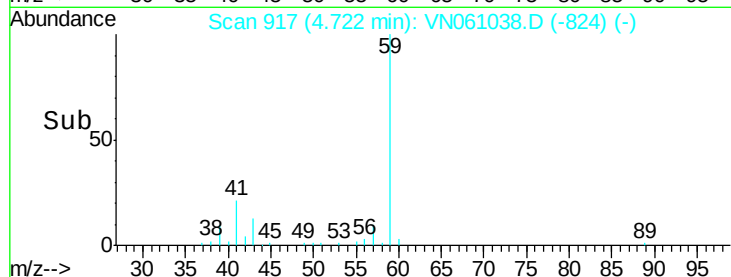
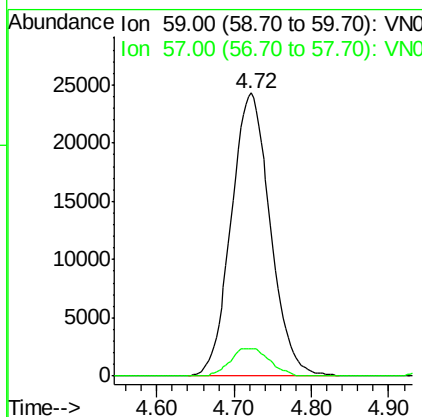
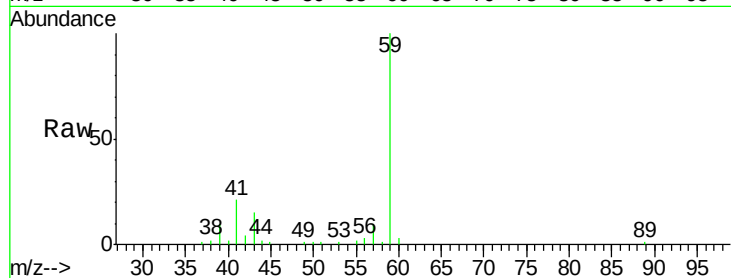
Tert butyl alcohol
 Concen: 227.785 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

Manual Integrations
 APPROVED

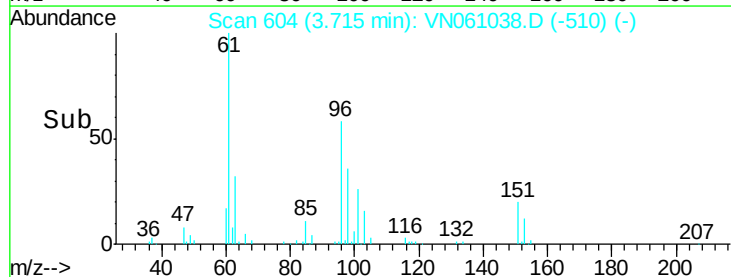
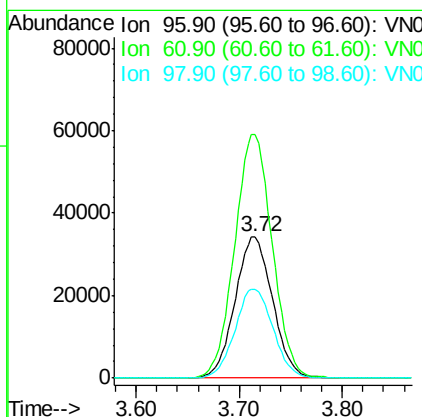
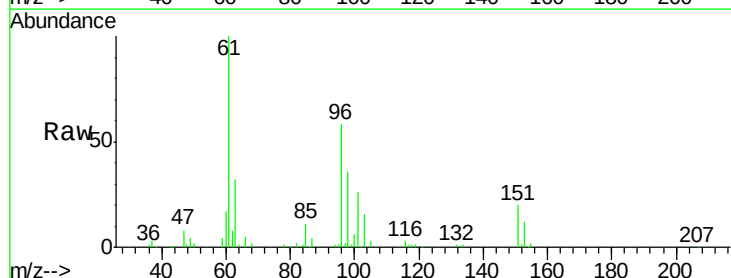
MMDadoda
 4/17/2020 11:53:50 AM

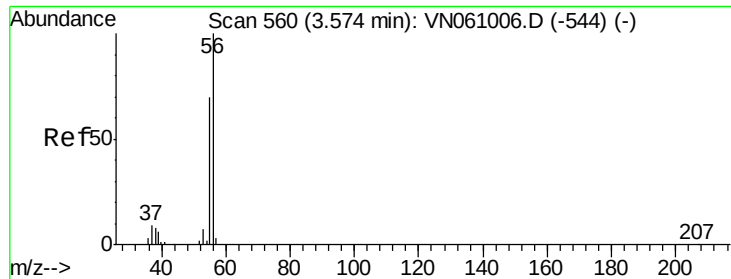


#12

1,1-Dichloroethene
 Concen: 48.195 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	139.2	208.8
98	62.2	50.0	75.0





#13

Acrolein

Concen: 212.928 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67202

Ion Ratio Lower Upper

56 100

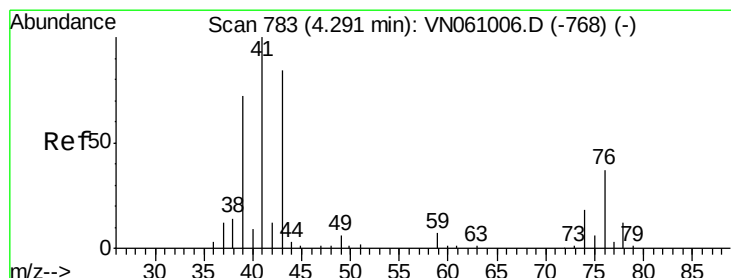
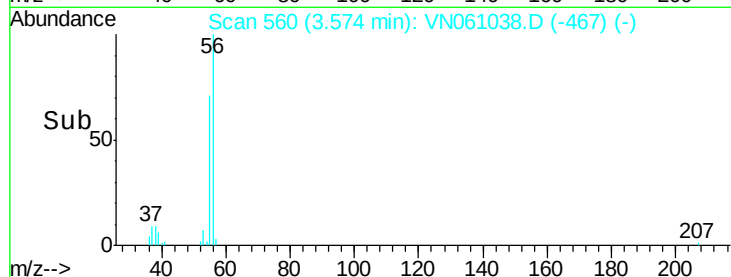
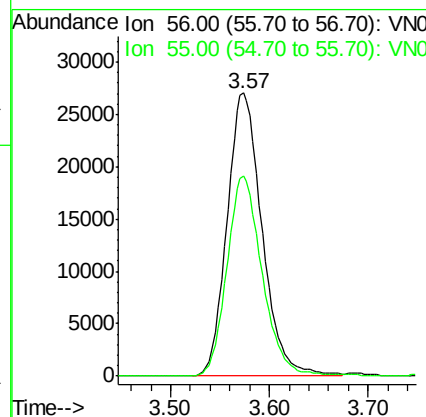
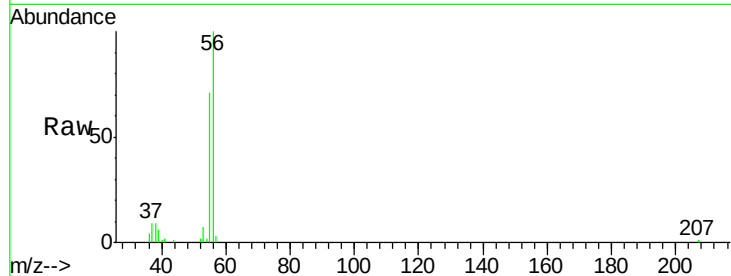
55 70.8 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#14

Allyl chloride

Concen: 44.819 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

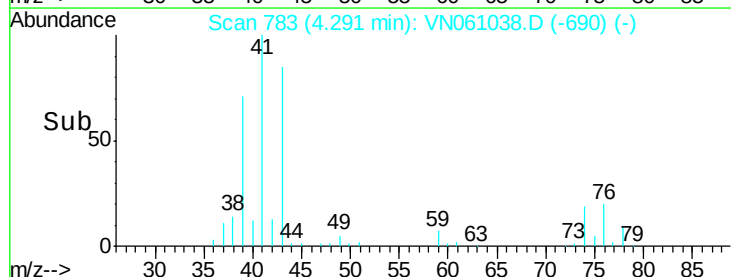
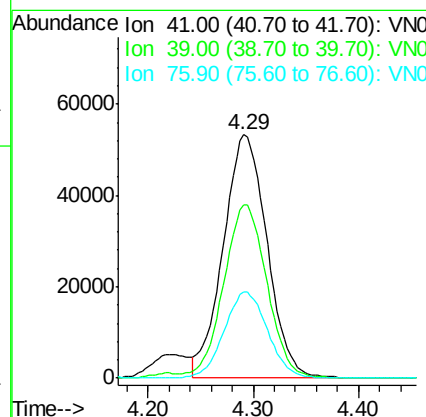
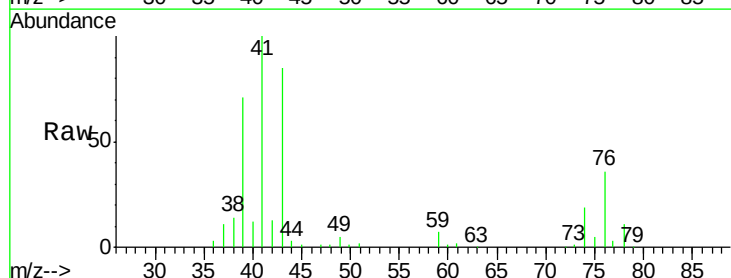
Tgt Ion: 41 Resp: 152806

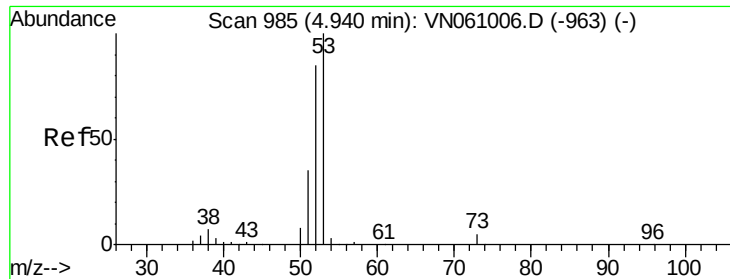
Ion Ratio Lower Upper

41 100

39 71.0 56.3 84.5

76 35.3 27.7 41.5





#15

Acrylonitrile

Concen: 248.715 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

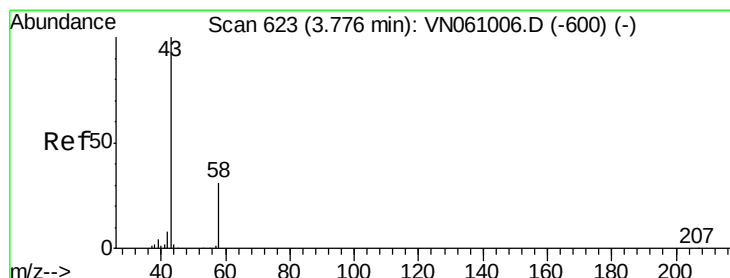
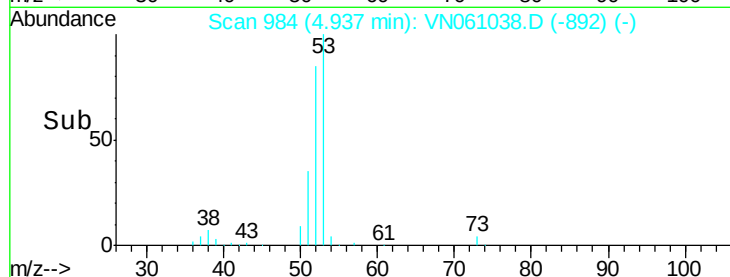
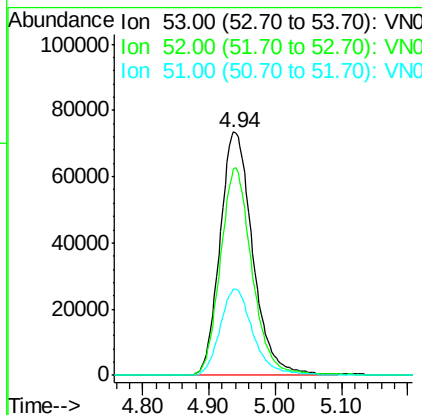
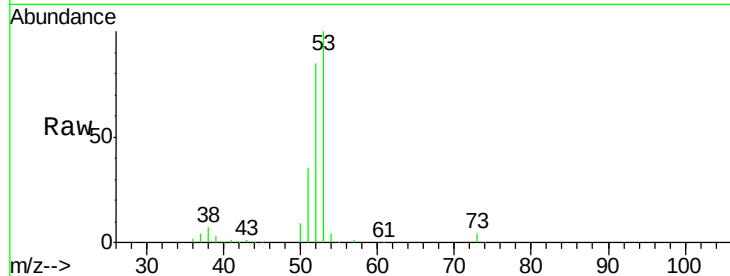
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	252070
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.8	100.2
51	35.7	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM



#16

Acetone

Concen: 219.635 ug/l

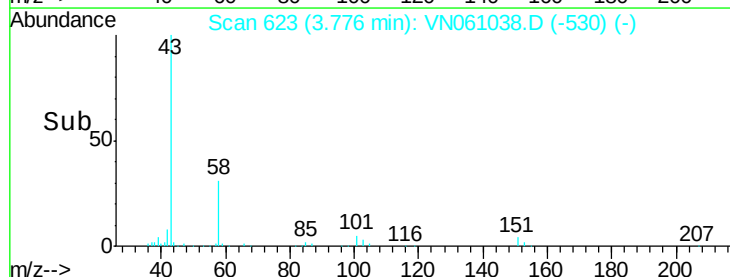
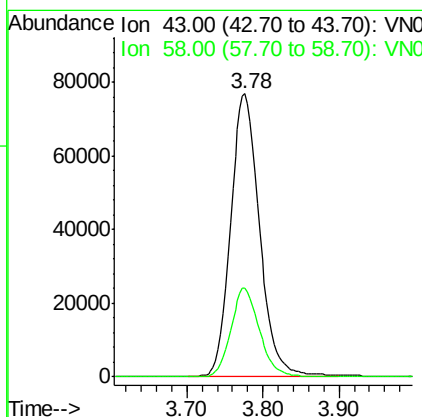
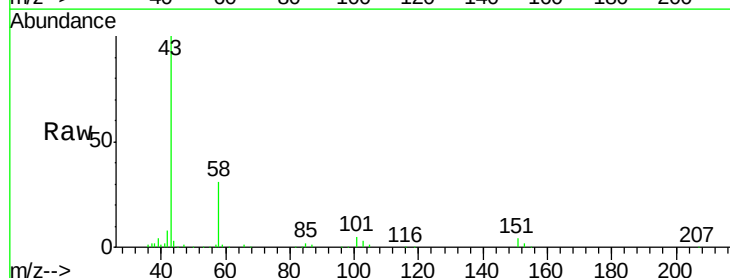
RT: 3.78 min Scan# 623

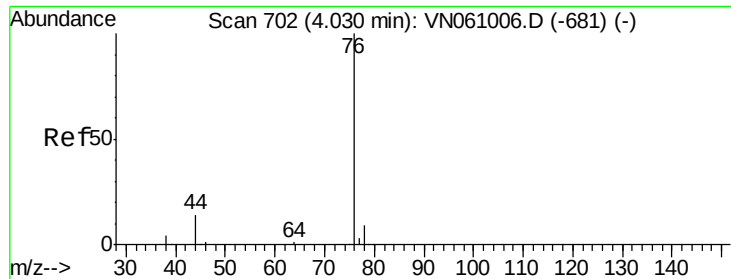
Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Tgt Ion:	43	Resp:	203664
Ion Ratio	Lower	Upper	
43	100		
58	31.5	24.6	37.0





#17

Carbon Disulfide

Concen: 46.590 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 262698

Ion Ratio Lower Upper

76 100

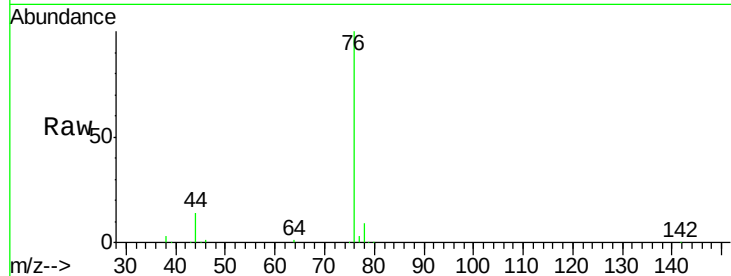
78 9.4 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

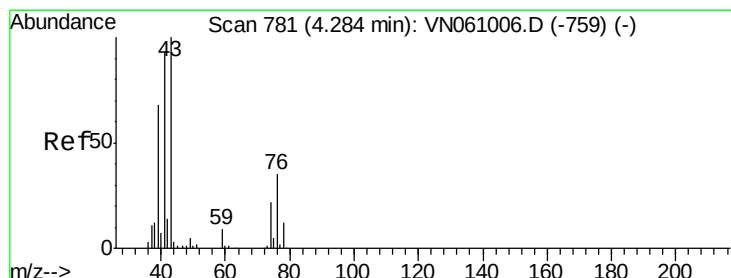
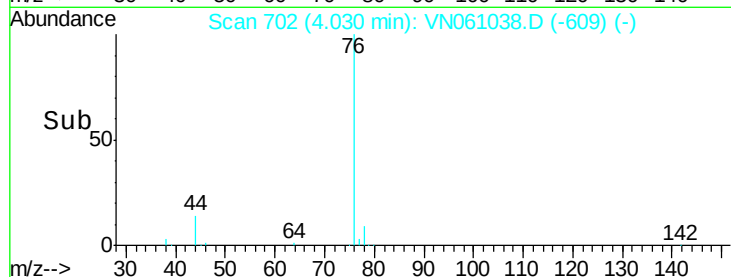
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 48.741 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN061038.D

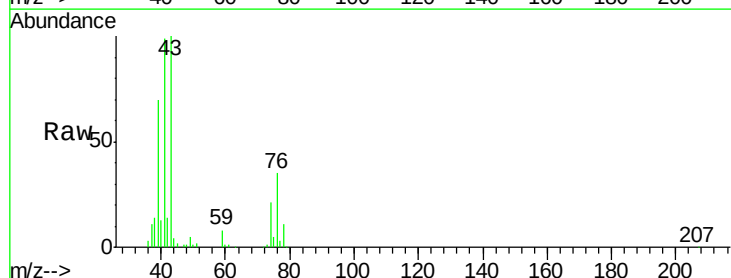
Acq: 17 Apr 2020 1:23

Tgt Ion: 43 Resp: 141726

Ion Ratio Lower Upper

43 100

74 21.6 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

50000

40000

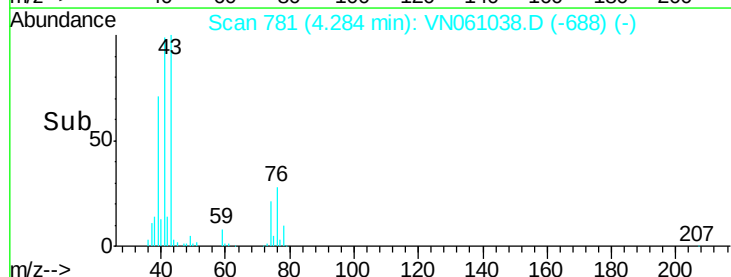
30000

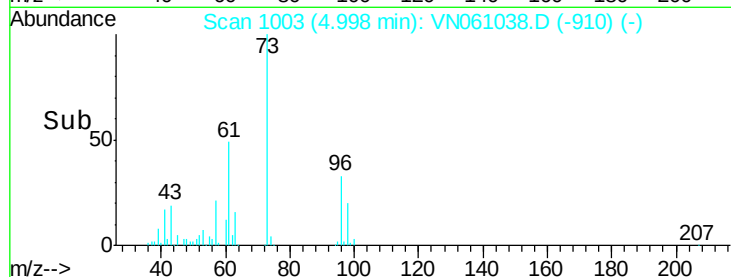
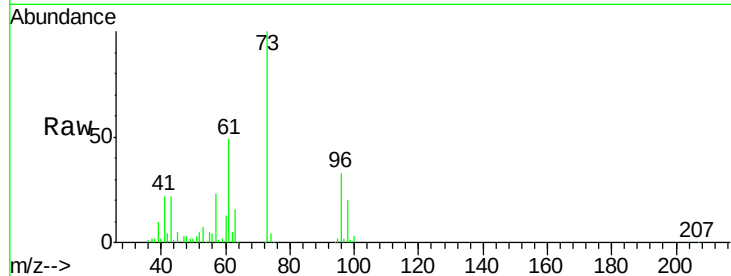
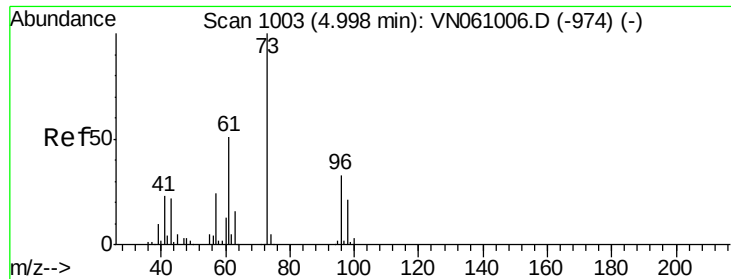
20000

10000

0

Time-->





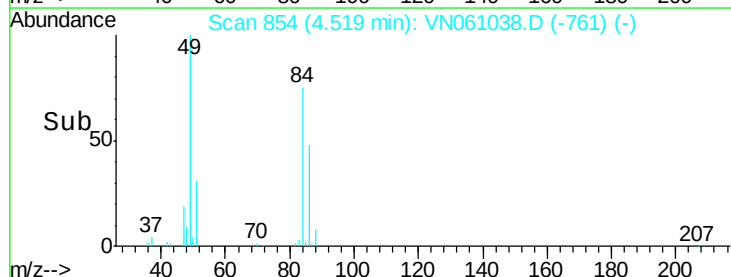
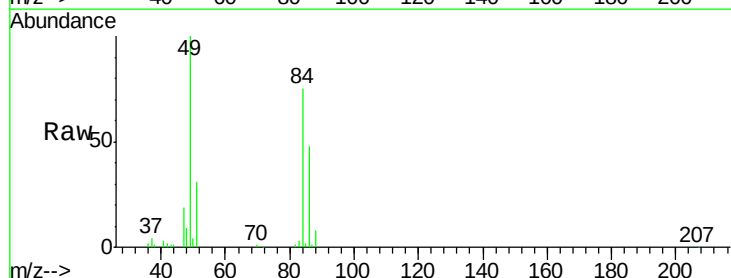
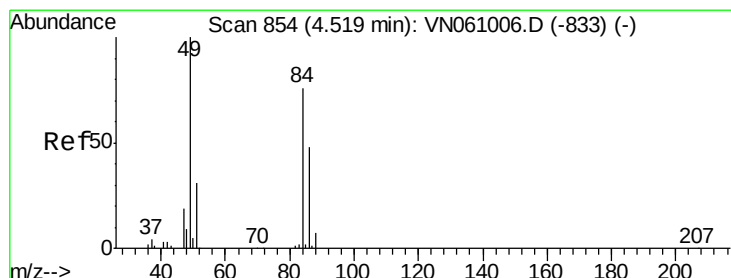
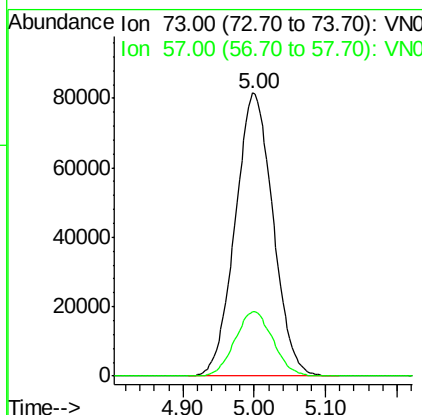
#19
Methyl tert-butyl Ether
Concen: 47.787 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tot Ion: 73 Resp: 300243
Ion Ratio Lower Upper
73 100
57 22.9 19.0 28.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

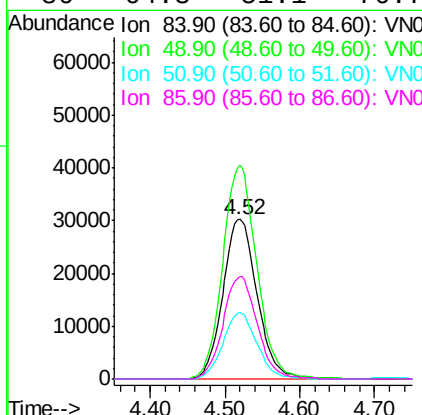
Manual Integrations
APPROVED

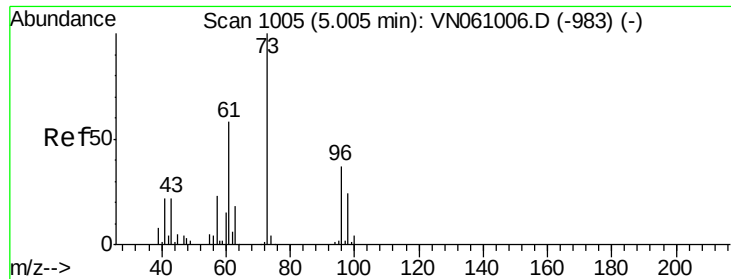
MMDadoda
4/17/2020 11:53:50 AM



#20
Methylene Chloride
Concen: 47.507 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion: 84 Resp: 96182
Ion Ratio Lower Upper
84 100
49 133.8 105.8 158.6
51 41.5 32.4 48.6
86 64.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.426 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

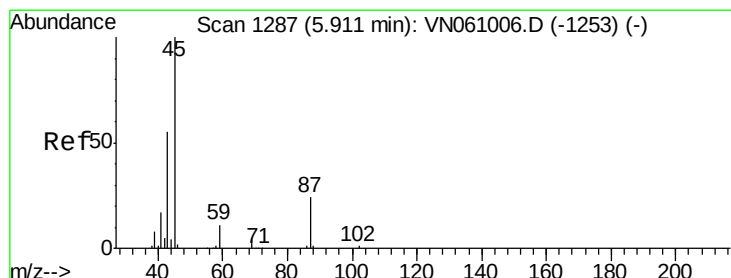
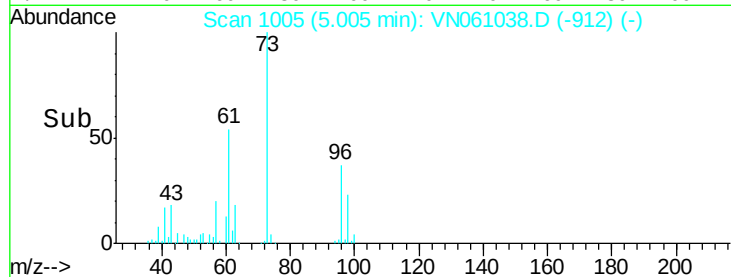
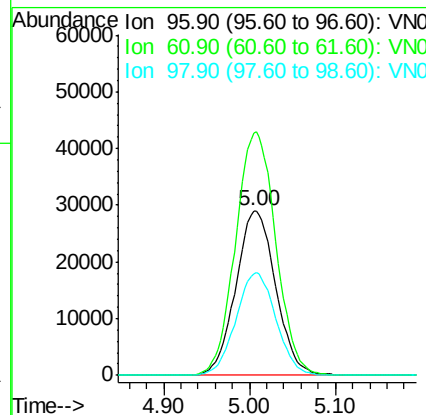
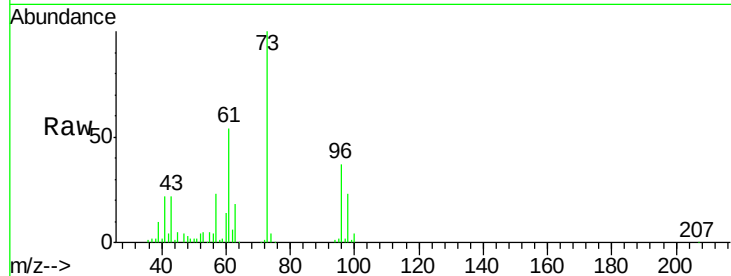
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	93331
Ion	Ratio	Lower	Upper
96	100		
61	148.0	124.8	187.2
98	62.2	51.3	76.9

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM



#22

Diisopropyl ether

Concen: 48.111 ug/l

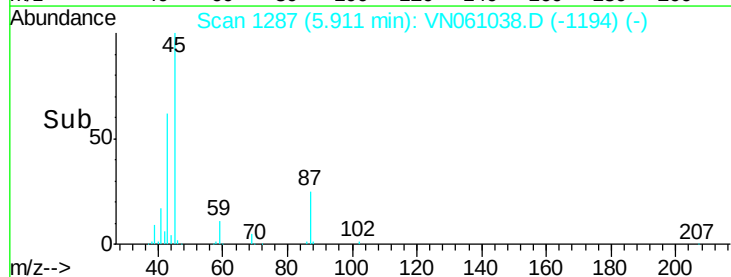
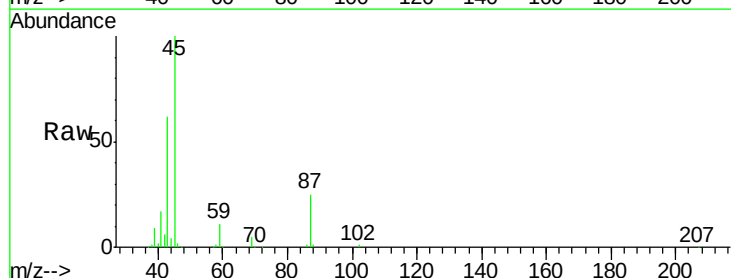
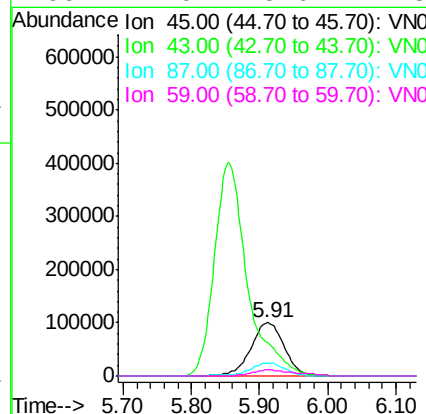
RT: 5.91 min Scan# 1287

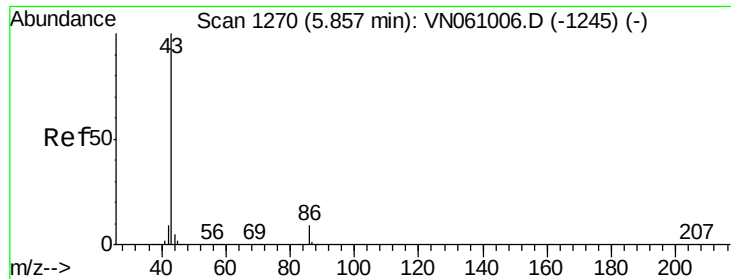
Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Tgt Ion:	45	Resp:	340671
Ion	Ratio	Lower	Upper
45	100		
43	61.6	48.6	72.8
87	25.3	19.4	29.2
59	11.0	8.6	12.8





#23

Vinyl Acetate

Concen: 243.059 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1349625

Ion Ratio Lower Upper

43 100

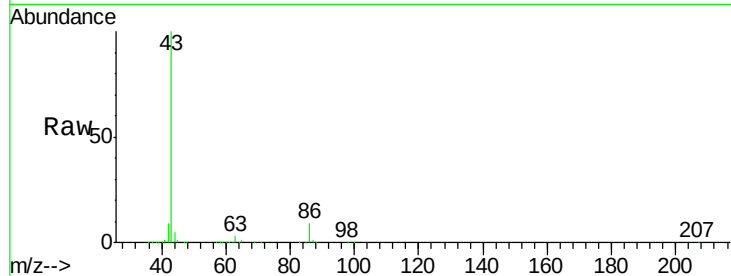
86 9.2 7.3 10.9

Manual Integrations

APPROVED

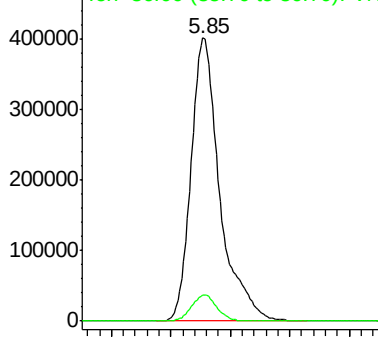
MMDadoda

4/17/2020 11:53:50 AM

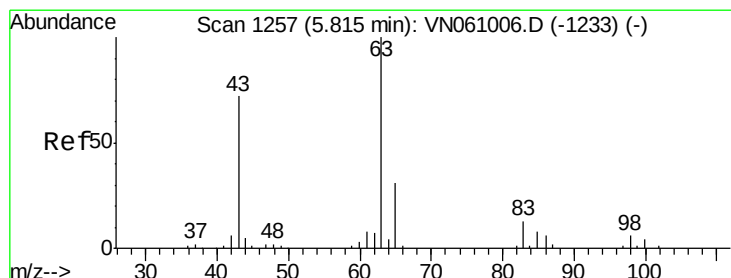
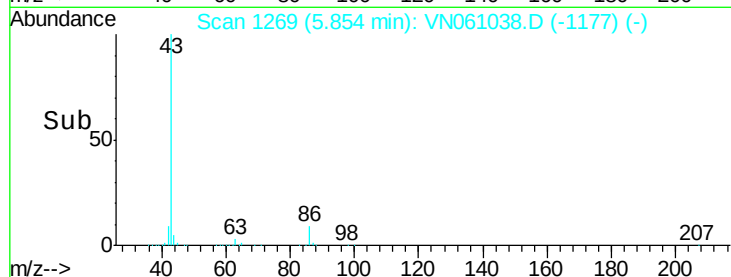


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 47.843 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

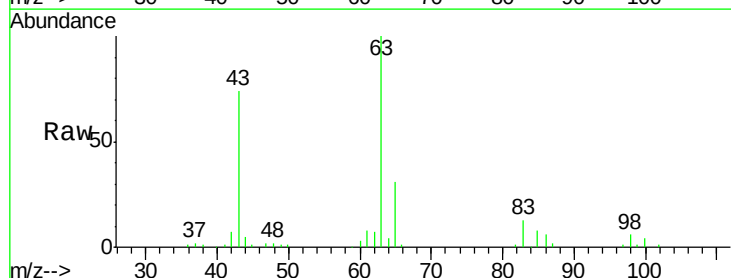
Tgt Ion: 63 Resp: 182968

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

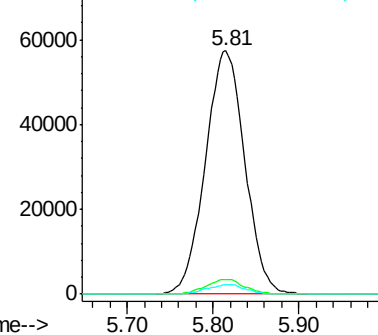
100 3.8 2.0 5.8



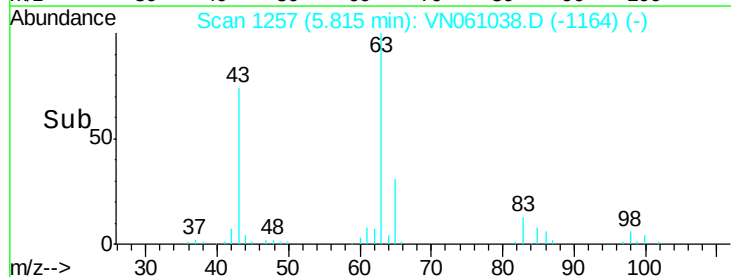
Abundance Ion 62.90 (62.60 to 63.60): VN0

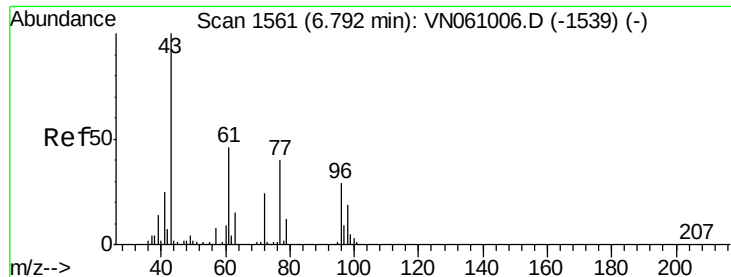
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





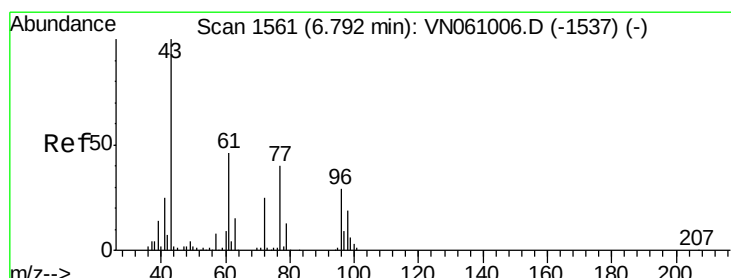
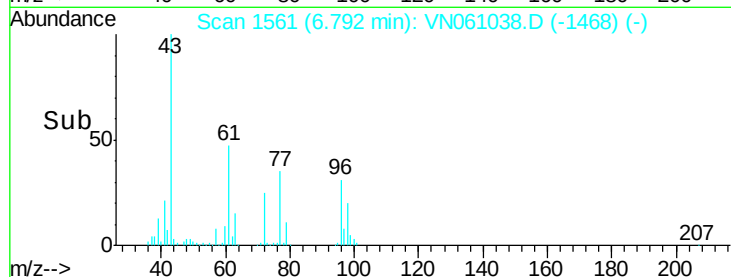
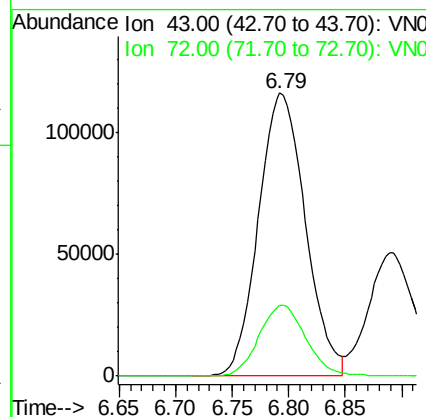
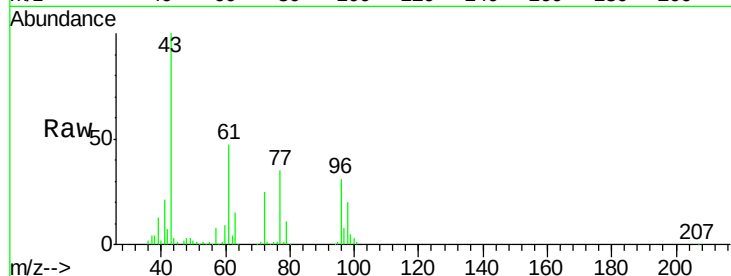
#25
2-Butanone
Concen: 235.962 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 335288
Ion Ratio Lower Upper
43 100
72 24.9 19.6 29.4

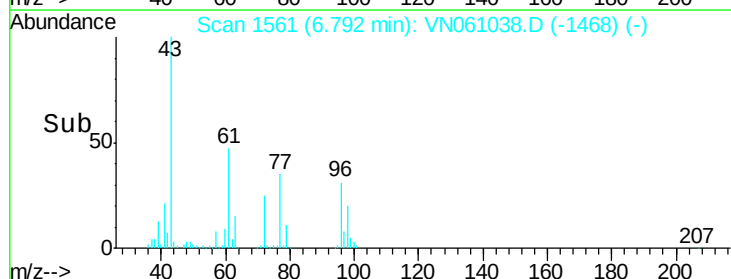
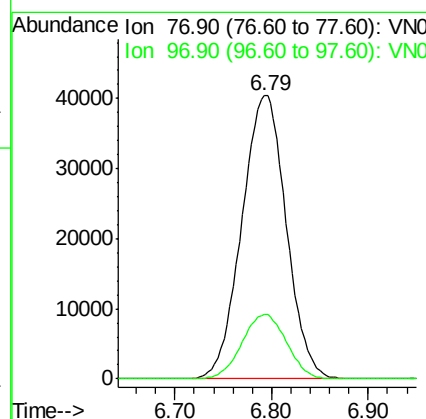
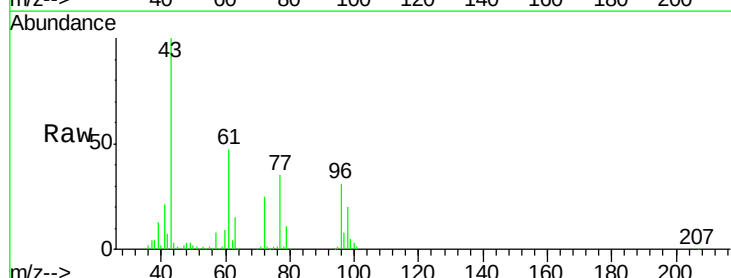
Manual Integrations
APPROVED

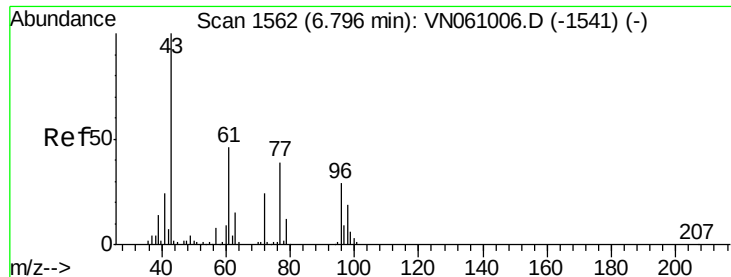
MMDadoda
4/17/2020 11:53:50 AM



#26
2,2-Dichloropropane
Concen: 40.468 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion: 77 Resp: 128861
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 47.910 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

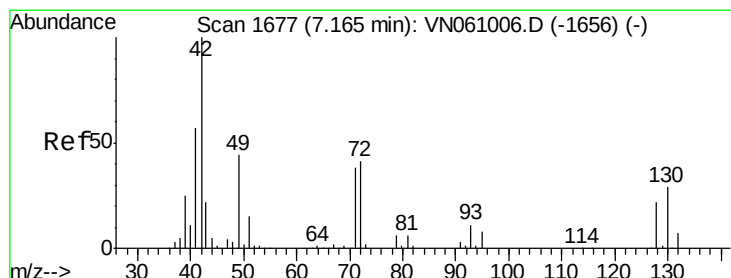
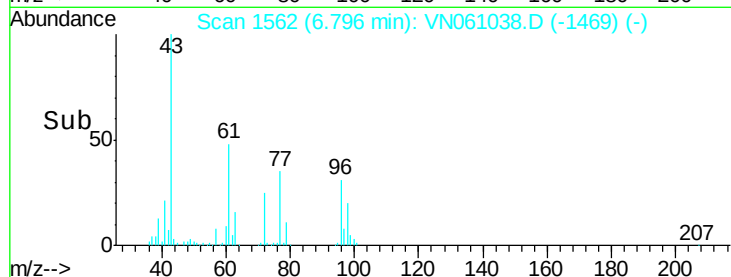
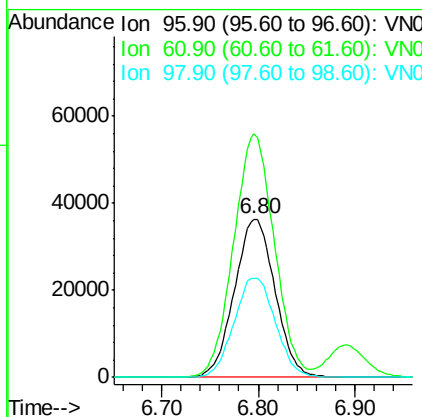
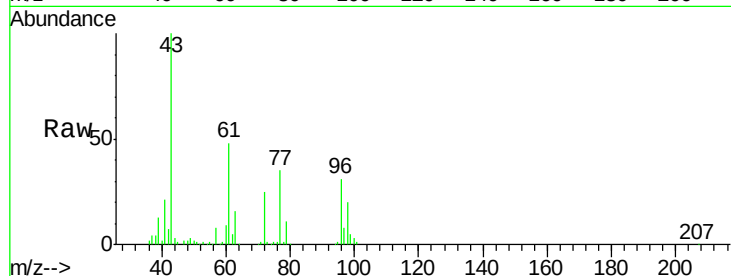
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	106007
Ion Ratio	Lower	Upper	
96	100		
61	154.4	0.0	317.4
98	64.0	0.0	127.8

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM



#28

Bromochloromethane

Concen: 49.153 ug/l

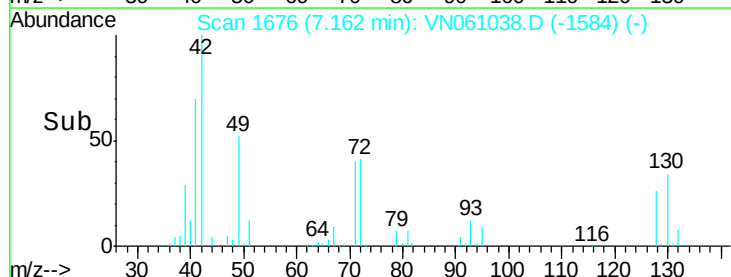
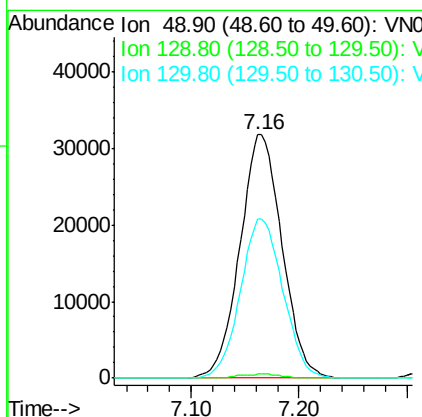
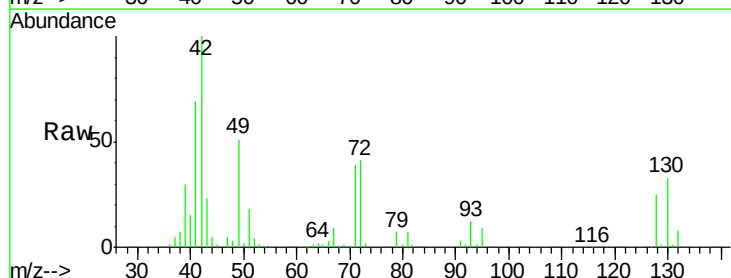
RT: 7.16 min Scan# 1676

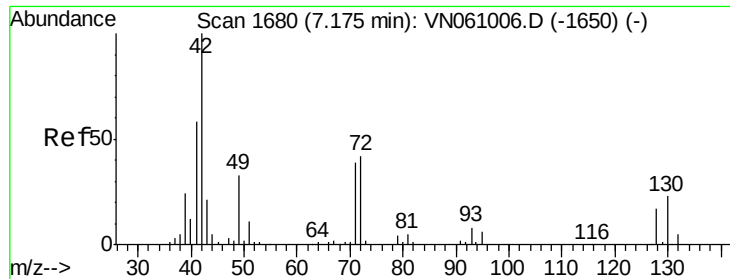
Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Tgt Ion:	49	Resp:	86288
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.0
130	65.9	52.9	79.3





#29

Tetrahydrofuran

Concen: 238.128 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 42 Resp: 229713

Ion Ratio Lower Upper

42 100

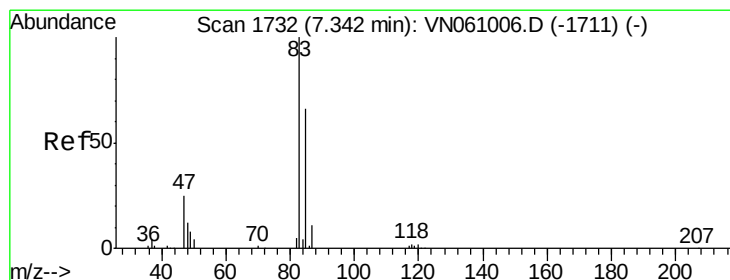
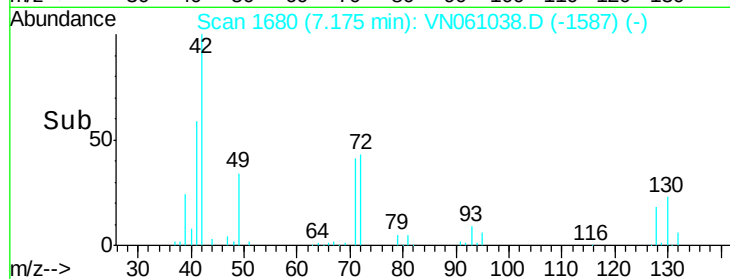
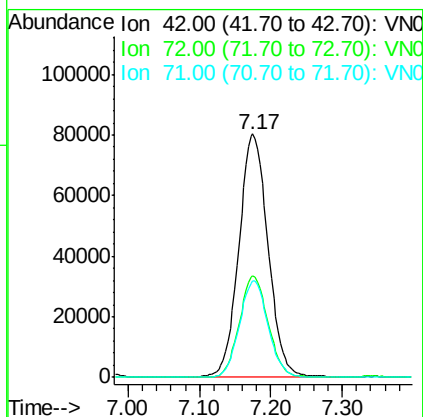
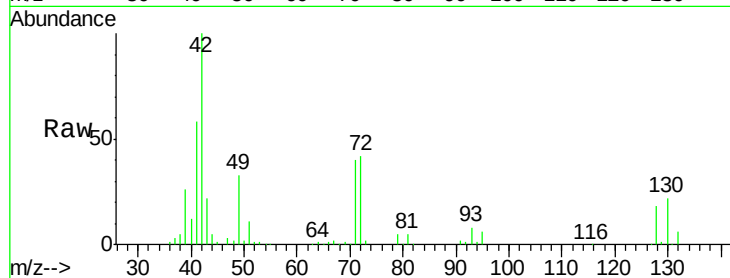
72 40.8 32.1 48.1

71 38.7 30.5 45.7

Manual Integrations
APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#30

Chloroform

Concen: 48.657 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN061038.D

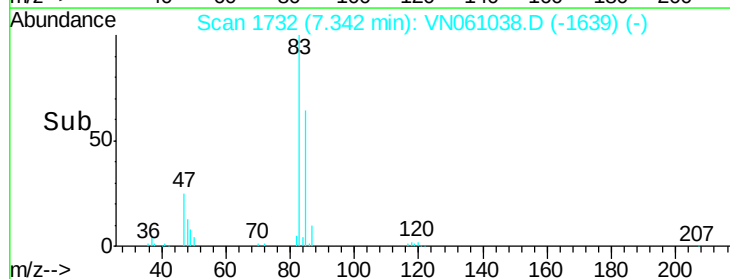
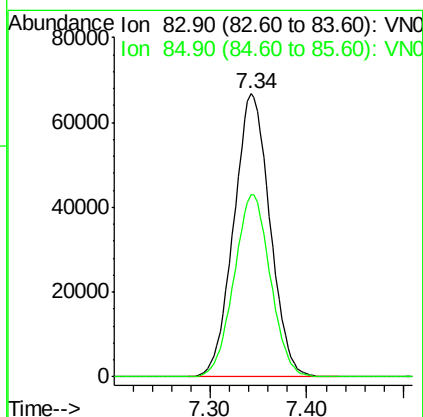
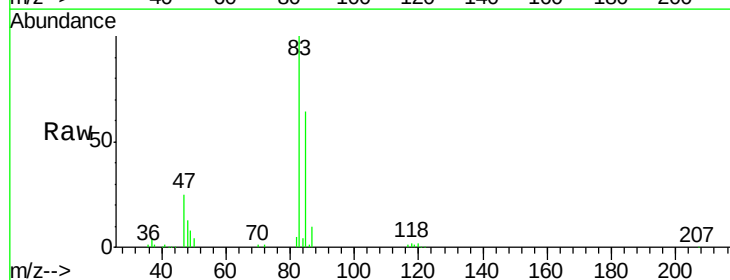
Acq: 17 Apr 2020 1:23

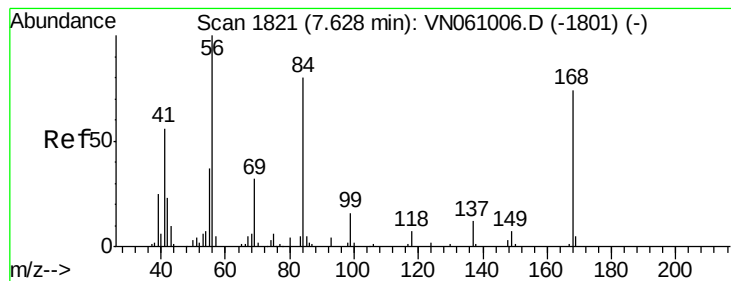
Tgt Ion: 83 Resp: 173563

Ion Ratio Lower Upper

83 100

85 64.3 52.8 79.2





#31

Cyclohexane

Concen: 45.269 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 177655

Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

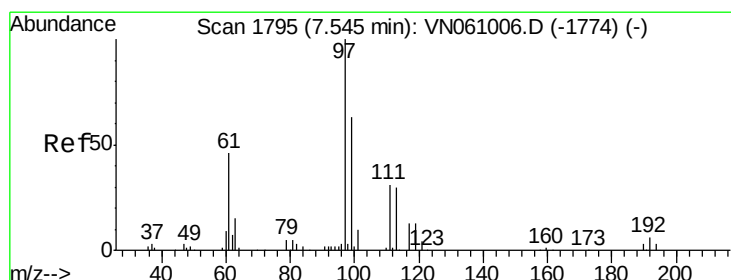
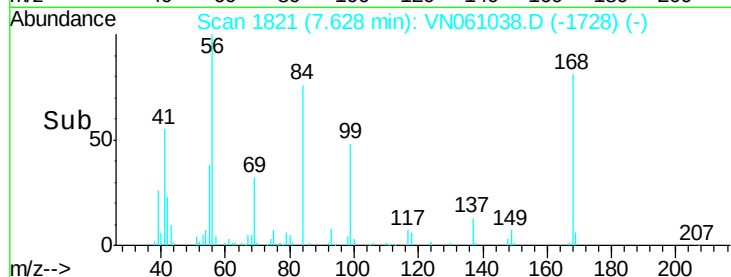
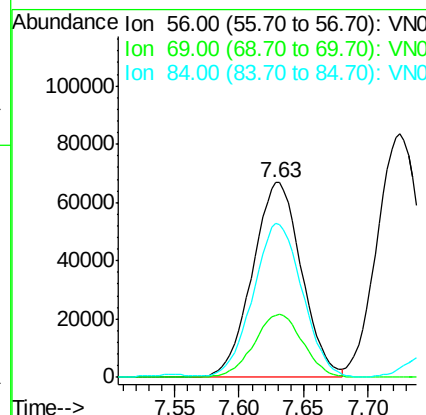
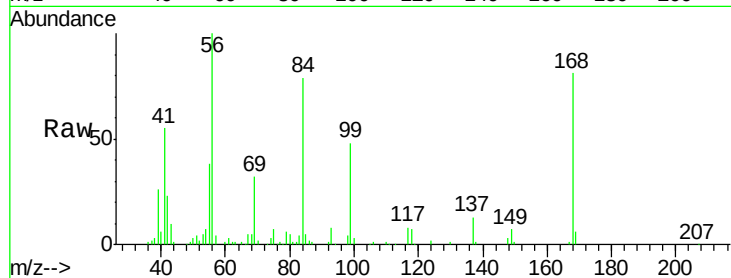
84 78.6 63.4 95.2

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#32

1,1,1-Trichloroethane

Concen: 48.576 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

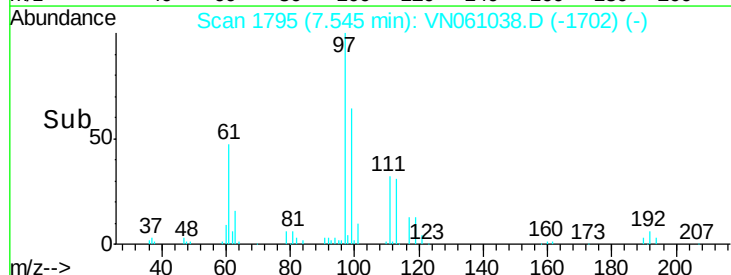
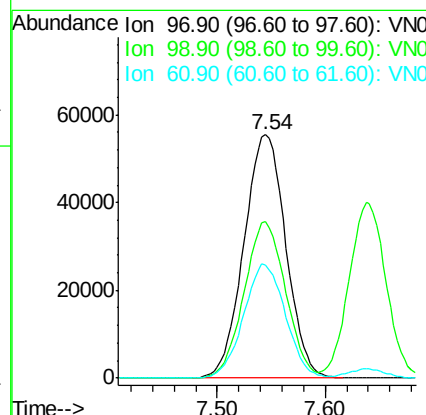
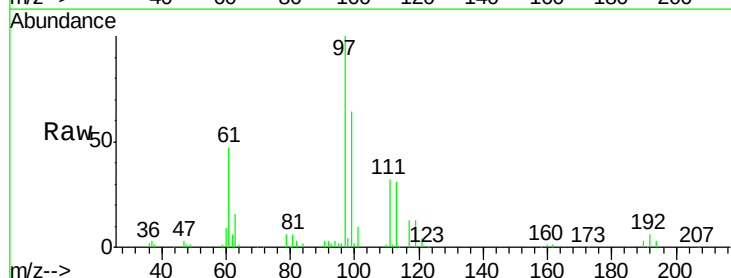
Tgt Ion: 97 Resp: 149880

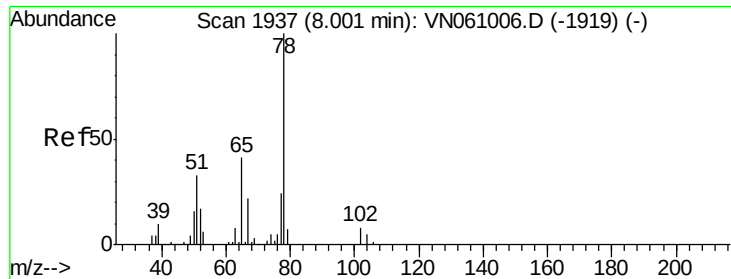
Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.4

61 46.8 37.0 55.6





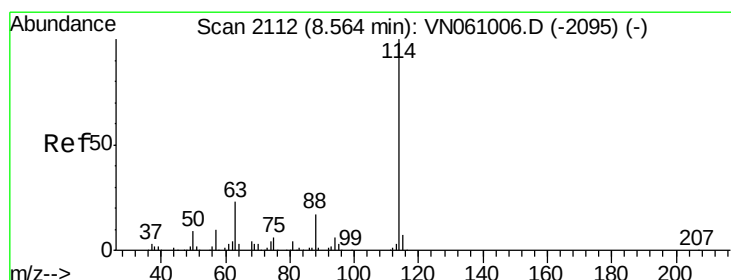
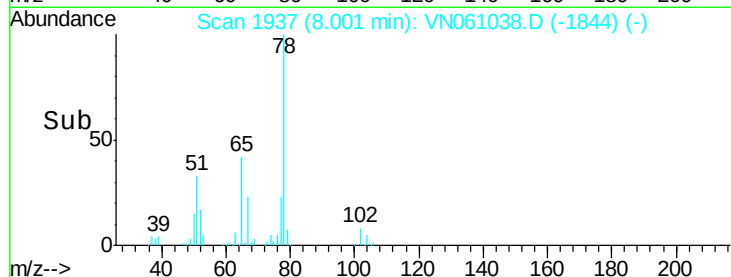
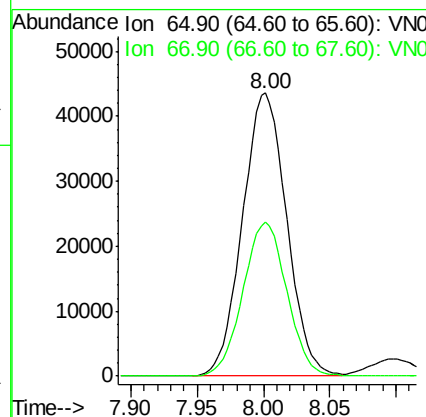
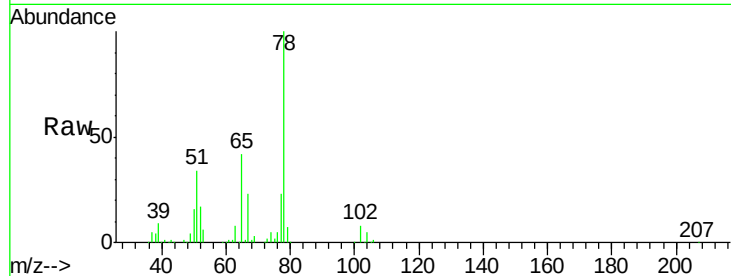
#33
 1,2-Dichloroethane-d4
 Concen: 47.971 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101062		
67	54.0	0.0	107.0	

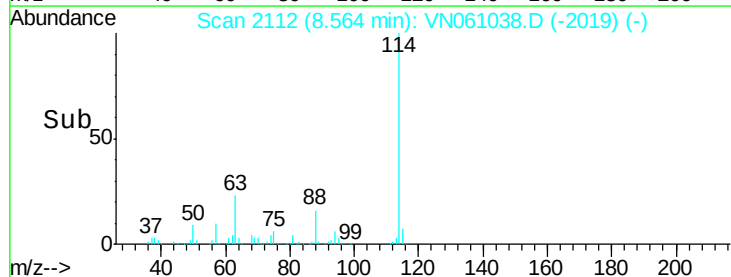
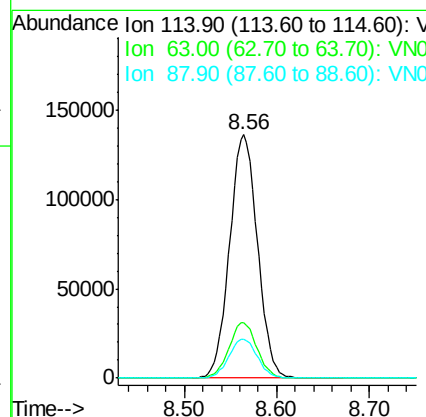
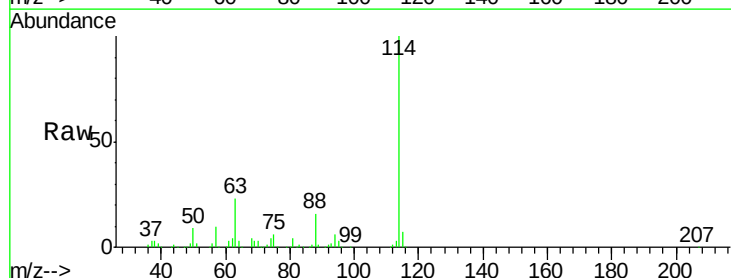
Manual Integrations
 APPROVED

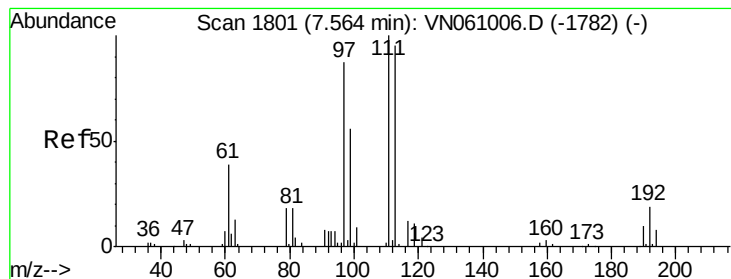
MMDadoda
 4/17/2020 11:53:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	283839		
63	22.8	0.0	46.2	
88	16.1	0.0	33.4	





#35

Dibromofluoromethane

Concen: 47.952 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 79485

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

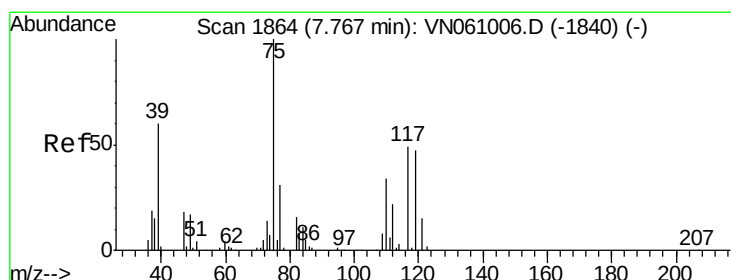
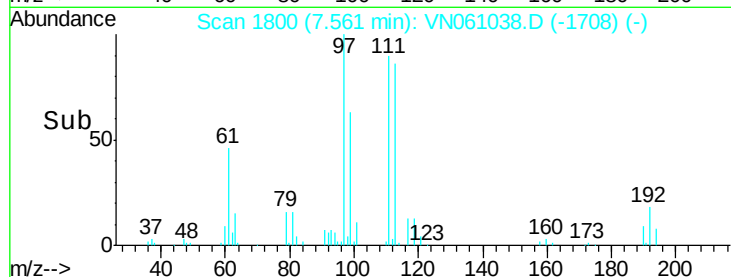
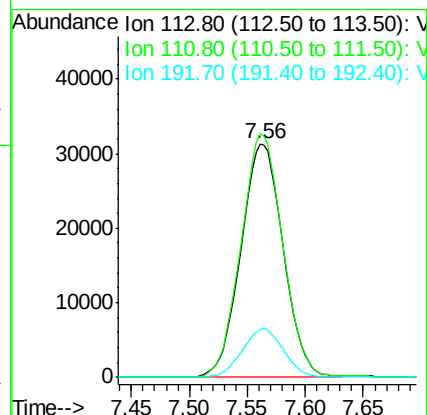
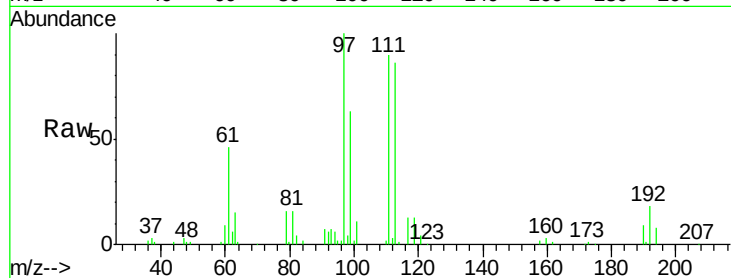
192 20.2 15.5 23.3

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#36

1,1-Dichloropropene

Concen: 46.457 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

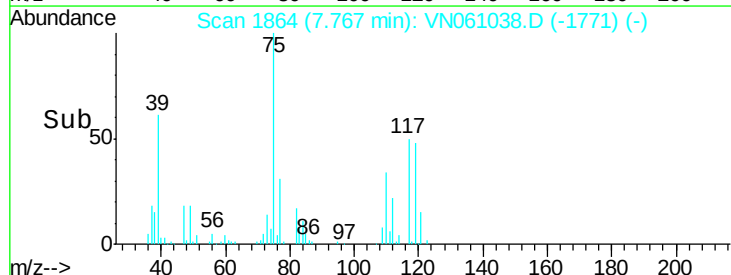
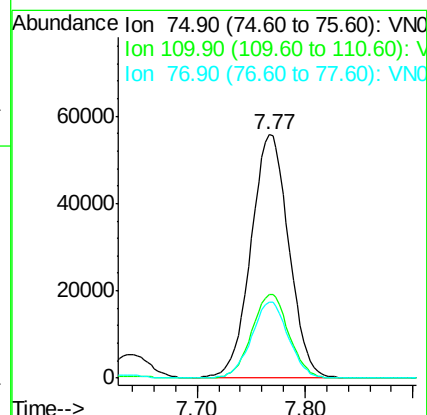
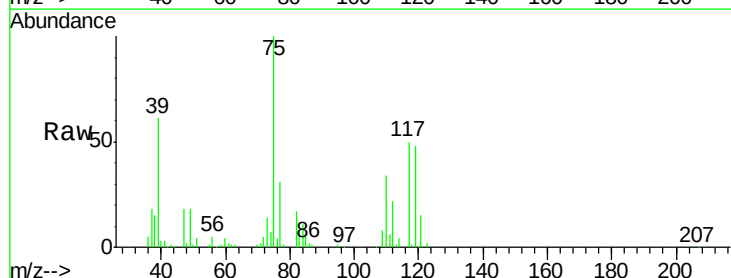
Tgt Ion: 75 Resp: 136072

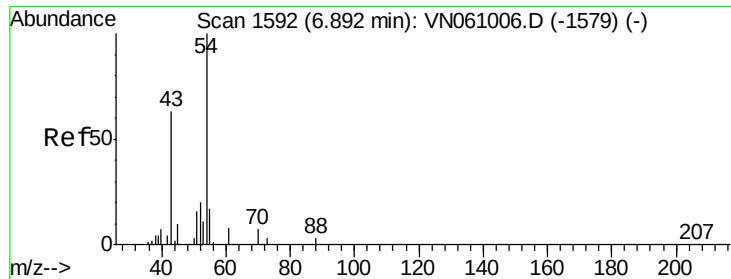
Ion Ratio Lower Upper

75 100

110 33.5 16.8 50.3

77 30.5 24.7 37.1





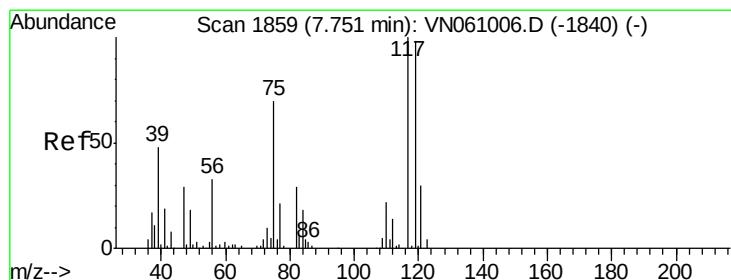
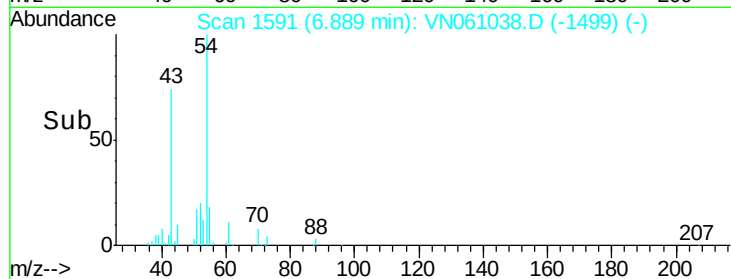
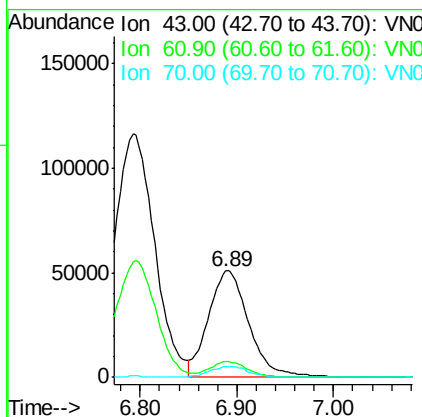
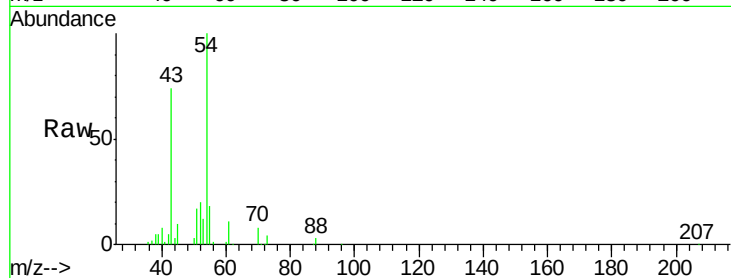
#37
Ethyl Acetate
Concen: 45.676 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	10.1	7.7	11.5

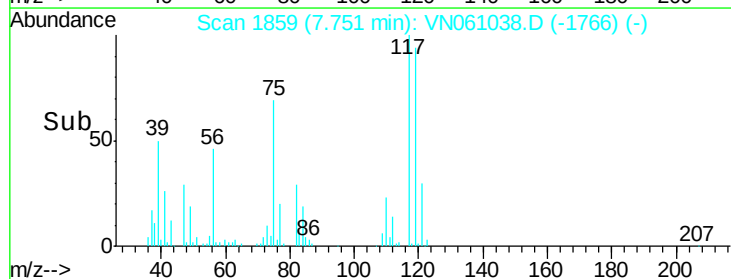
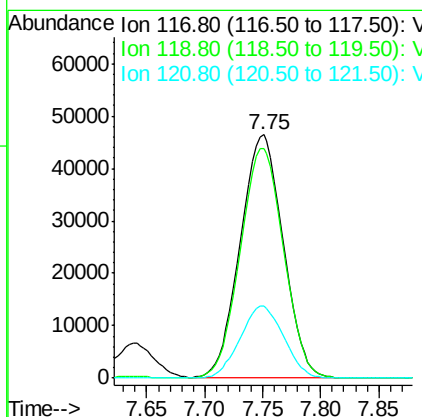
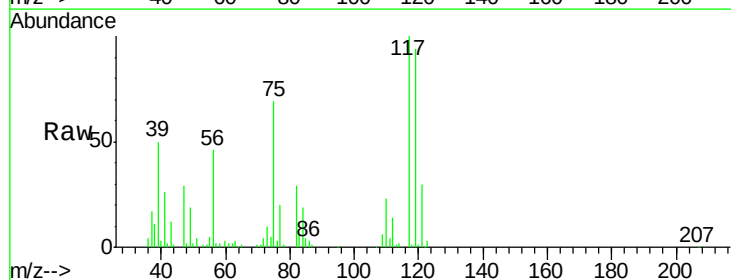
Manual Integrations
APPROVED

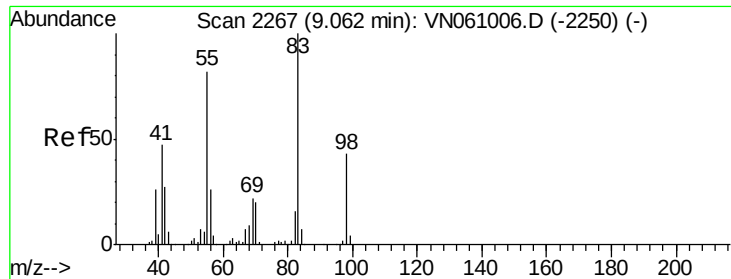
MMDadoda
4/17/2020 11:53:50 AM



#38
Carbon Tetrachloride
Concen: 49.177 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.1	117.1
121	29.6	24.0	36.0





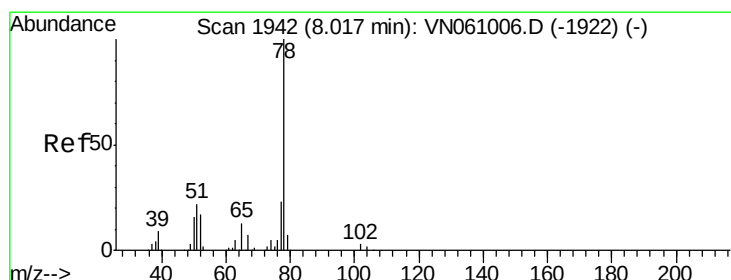
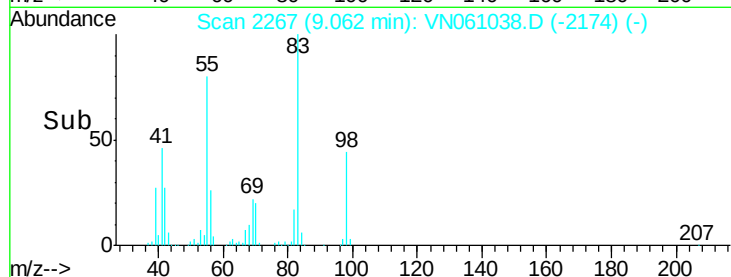
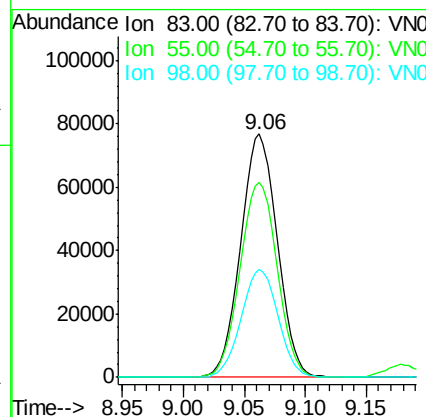
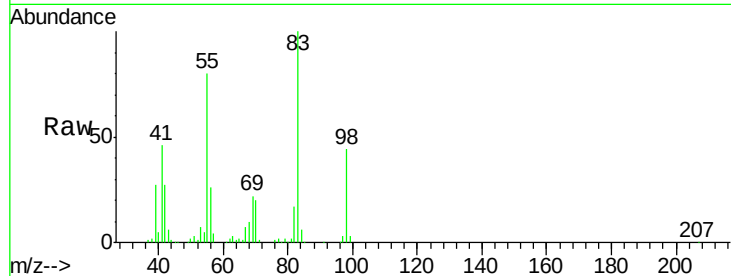
#39
Methylvlcyclohexane
Concen: 45.564 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.2	65.4	98.0	
98	44.4	34.6	51.8	

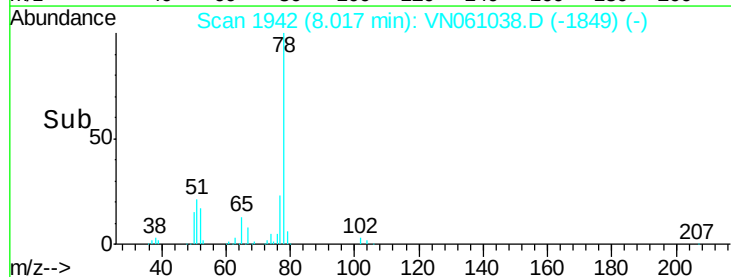
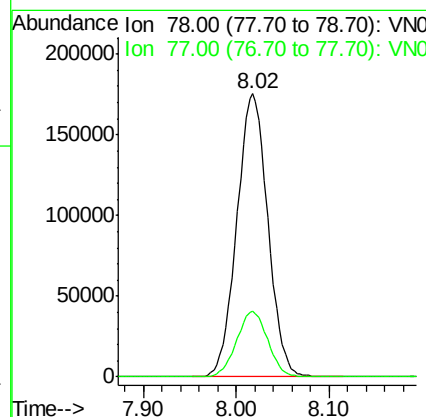
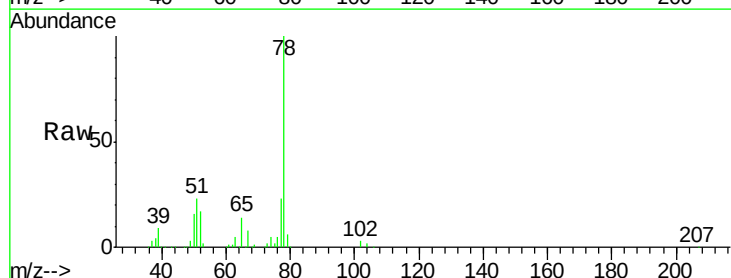
Manual Integrations
APPROVED

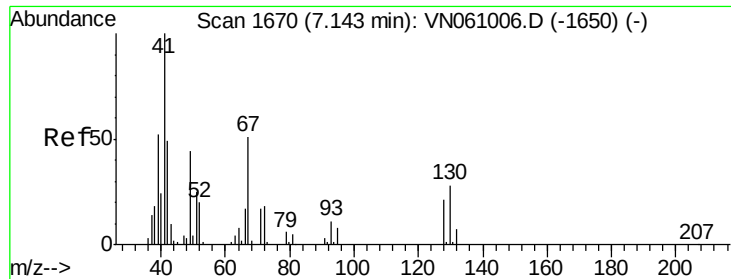
MMDadoda
4/17/2020 11:53:50 AM



#40
Benzene
Concen: 46.808 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.8	28.2	





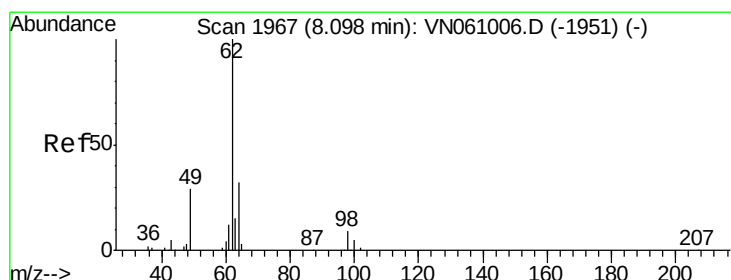
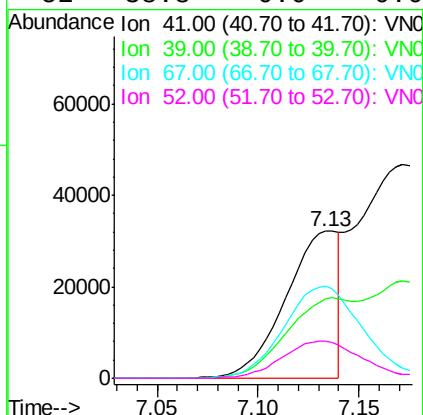
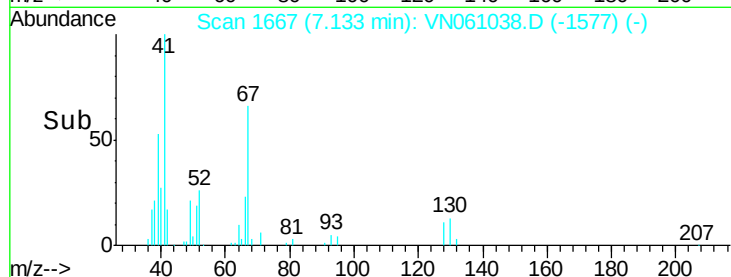
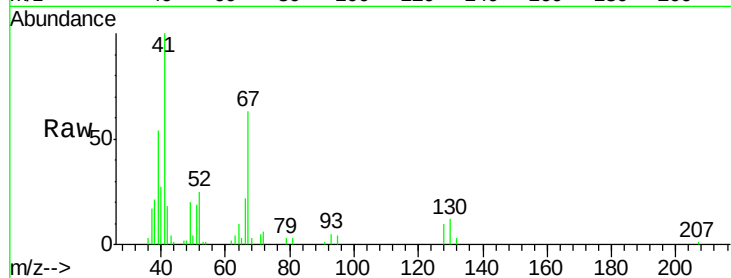
#41
Methacrylonitrile
Concen: 44.006 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	70.9	0.0	0.0#		
67	94.1	0.0	0.0#		
52	38.8	0.0	0.0#		

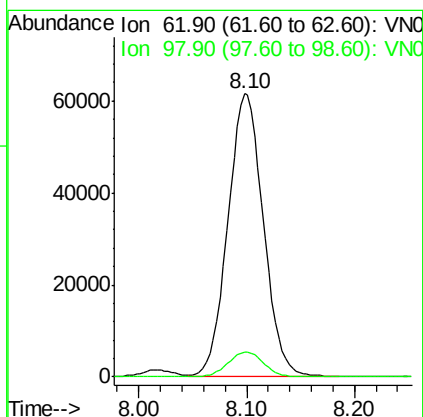
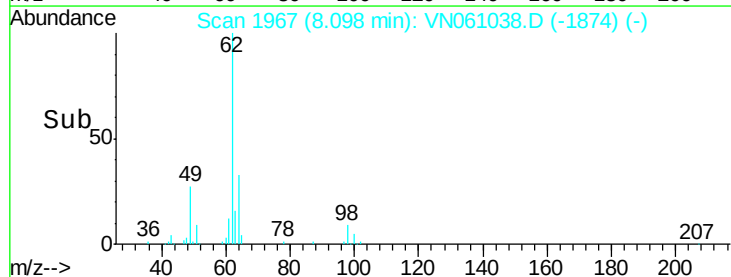
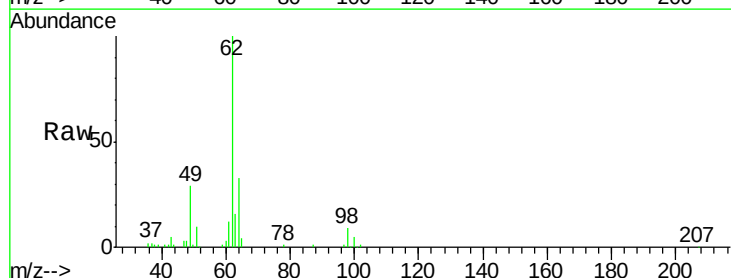
Manual Integrations
APPROVED

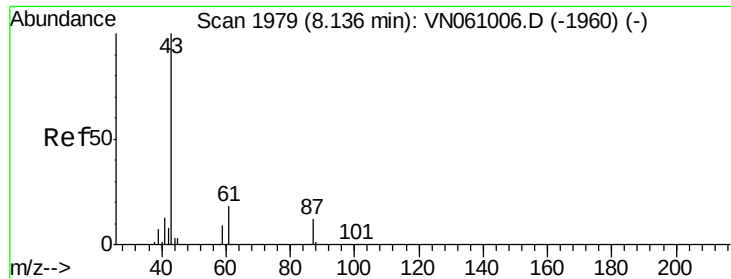
MMDadoda
4/17/2020 11:53:50 AM



#42
1,2-Dichloroethane
Concen: 47.724 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.8	0.0	17.2		





#43

Isopropyl Acetate

Concen: 47.428 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

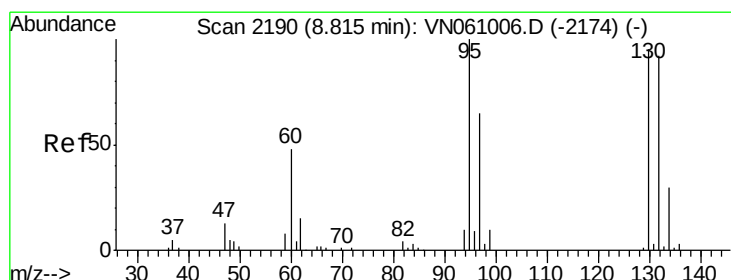
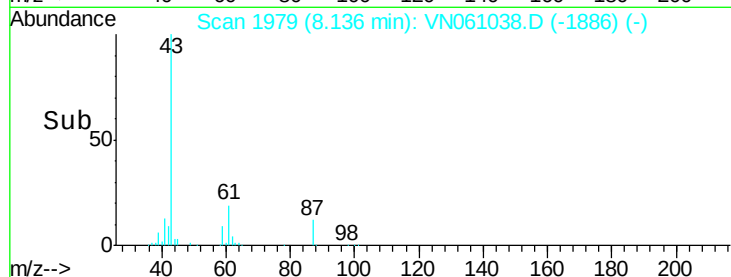
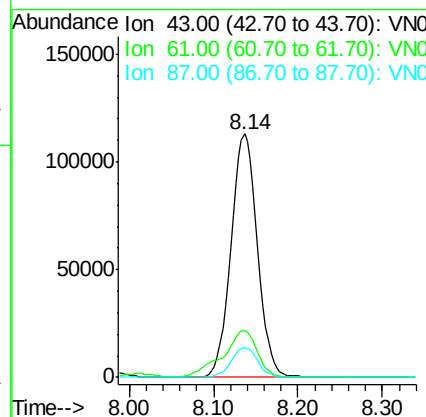
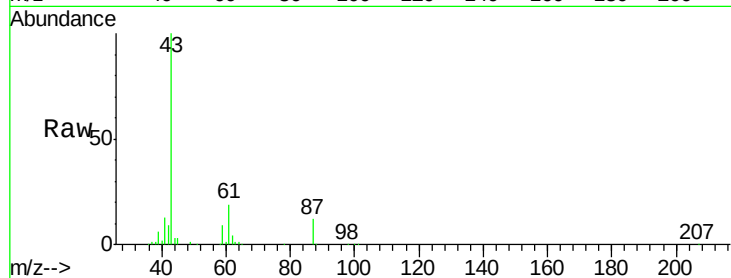
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	245319
Ion Ratio		Lower	Upper
43	100		
61	25.4	20.3	30.5
87	12.3	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM



#44

Trichloroethene

Concen: 45.994 ug/l

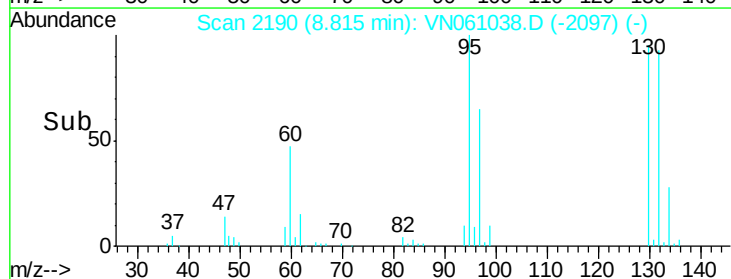
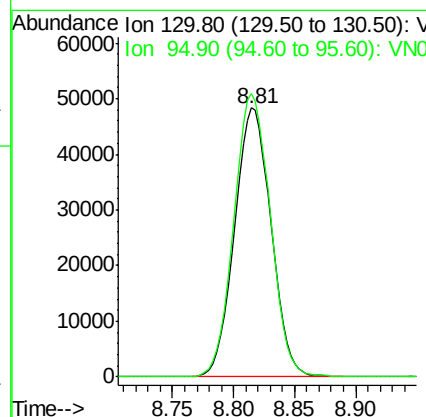
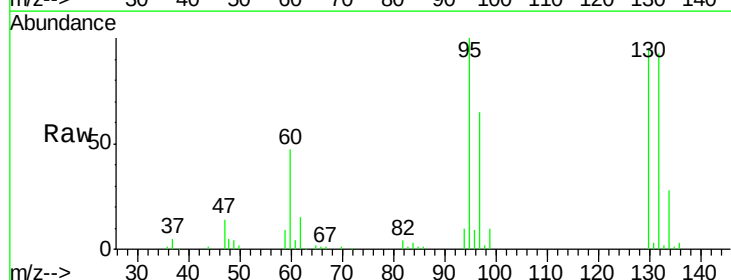
RT: 8.81 min Scan# 2190

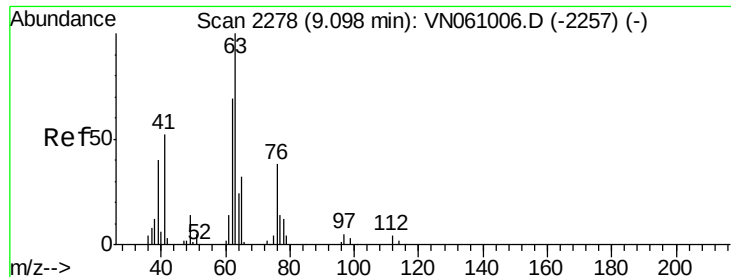
Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Tgt Ion:	130	Resp:	100421
Ion Ratio		Lower	Upper
130	100		
95	105.2	0.0	210.0





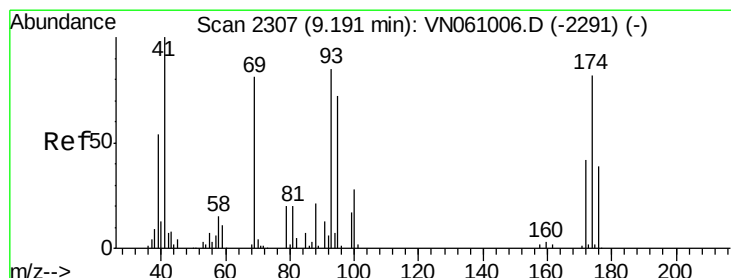
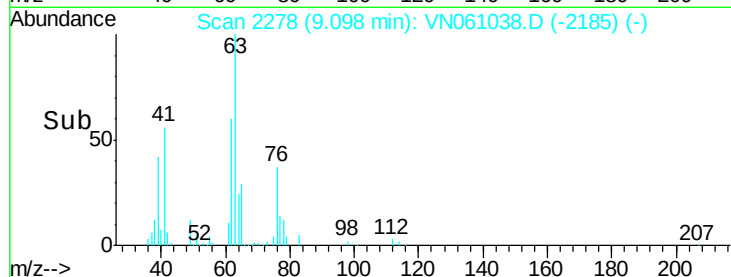
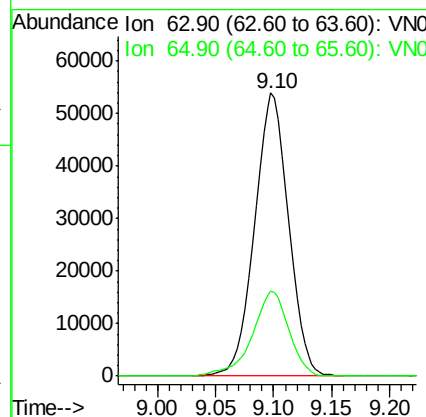
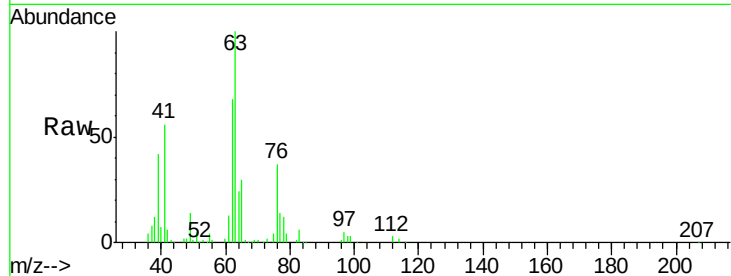
#45
 1,2-Dichloropropane
 Concen: 46.865 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 109992
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.2 37.8

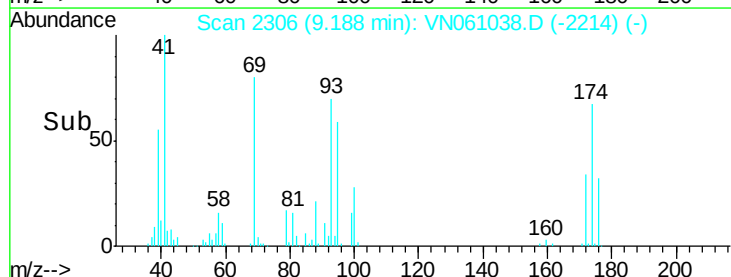
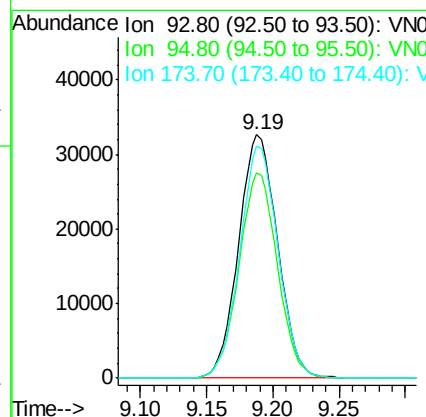
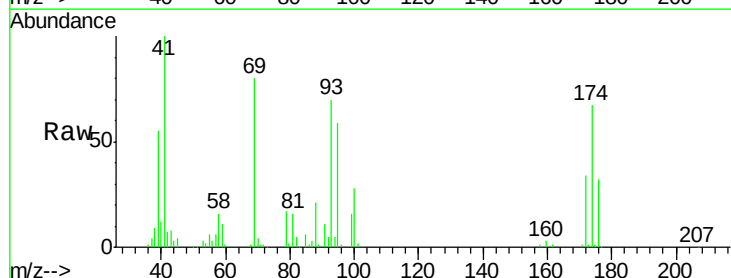
Manual Integrations
 APPROVED

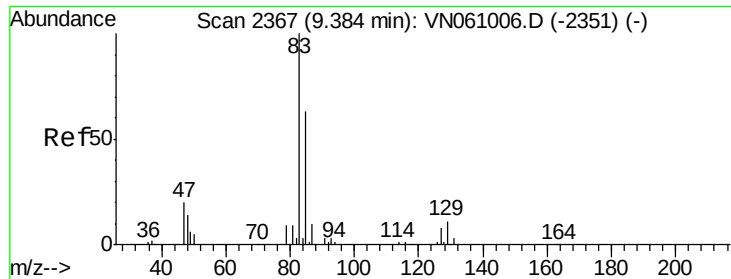
MMDadoda
 4/17/2020 11:53:50 AM



#46
 Dibromomethane
 Concen: 49.271 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion: 93 Resp: 66673
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.8 100.2
 174 93.8 76.2 114.4





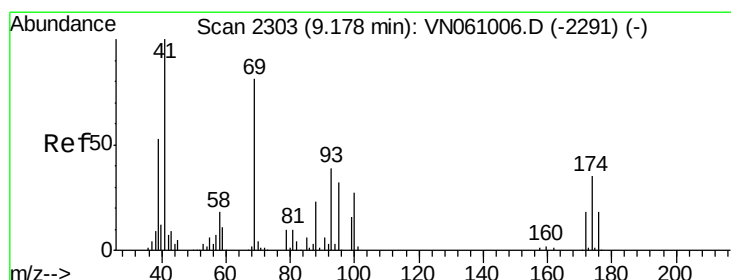
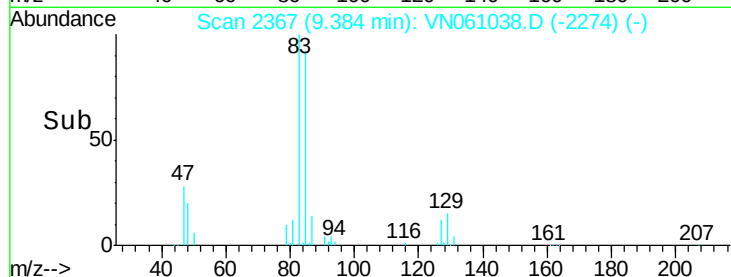
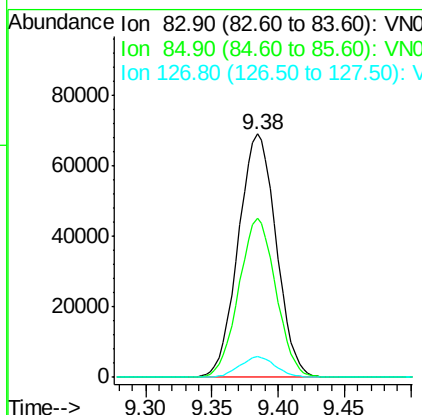
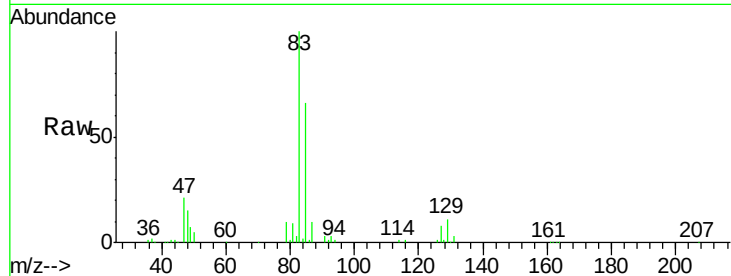
#47
Bromodichloromethane
Concen: 47.856 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	136803
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	50.6	76.0
127	8.3	6.1	9.1

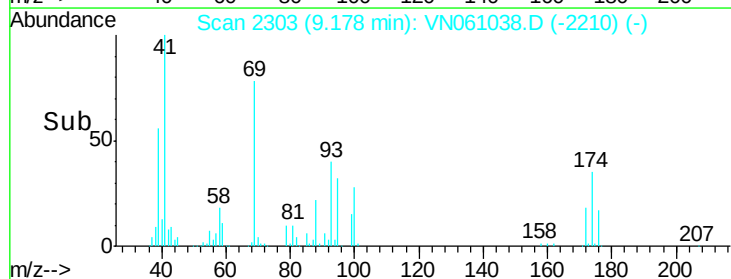
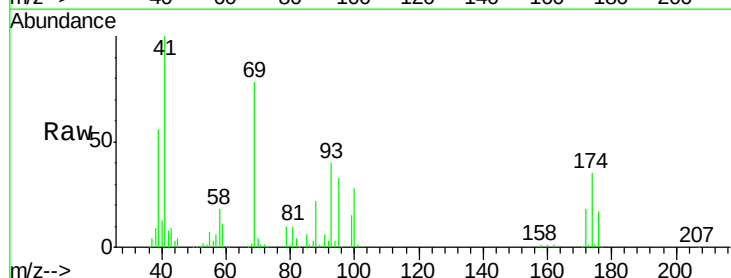
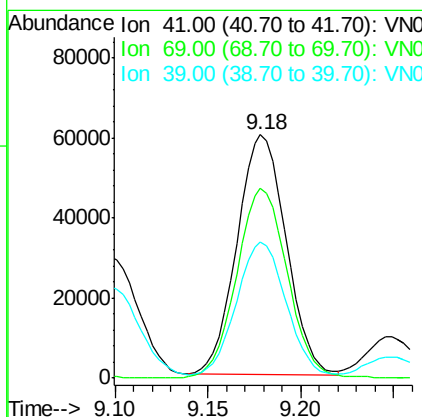
Manual Integrations
APPROVED

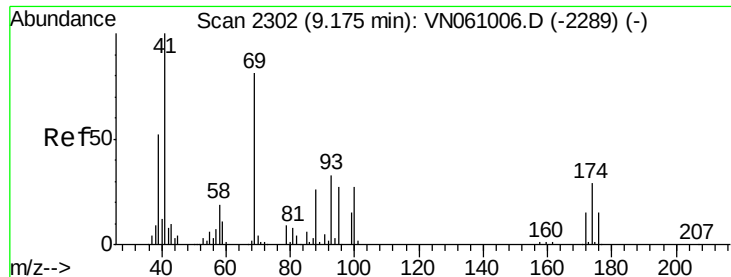
MMDadoda
4/17/2020 11:53:50 AM



#48
Methyl methacrylate
Concen: 48.307 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	41	Resp	110423
Ion Ratio	100	Lower	Upper
41	100		
69	81.8	65.3	97.9
39	55.5	45.2	67.8





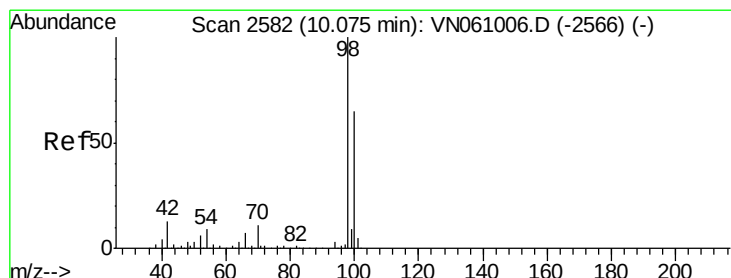
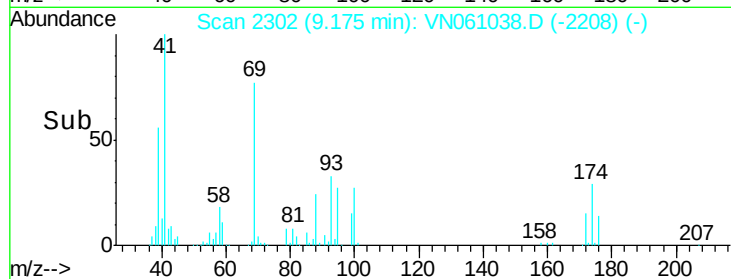
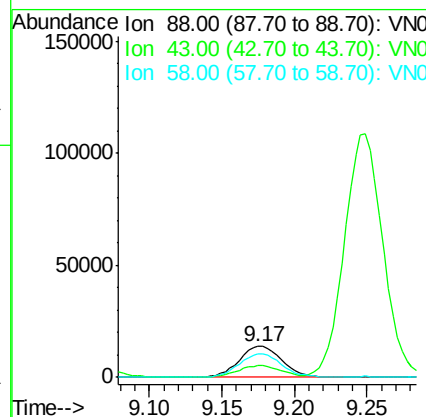
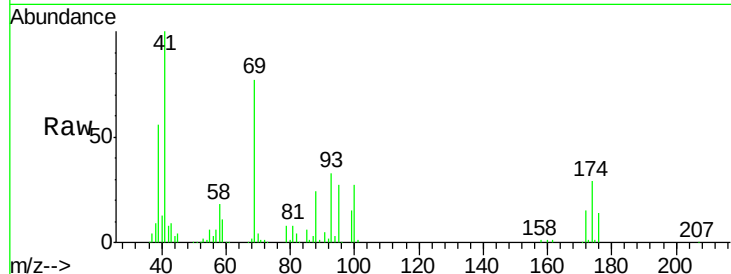
#49
1,4-Dioxane
Concen: 896.548 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	28410		
43	40.0	30.9	46.3	
58	75.9	59.8	89.8	

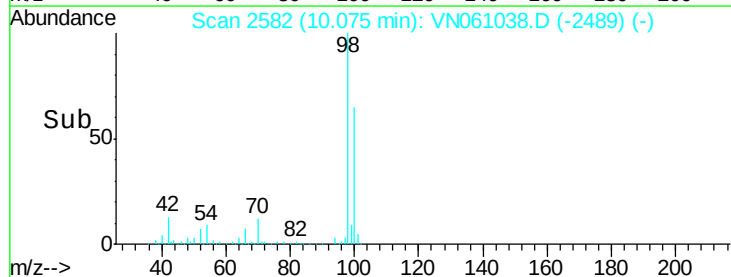
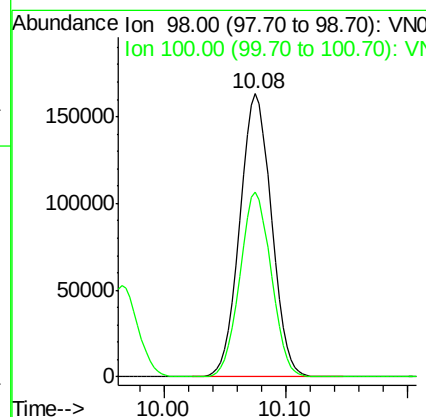
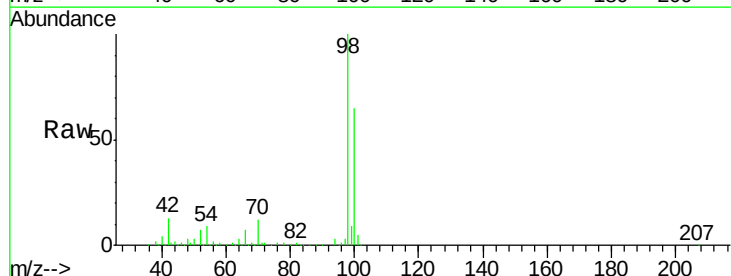
Manual Integrations
APPROVED

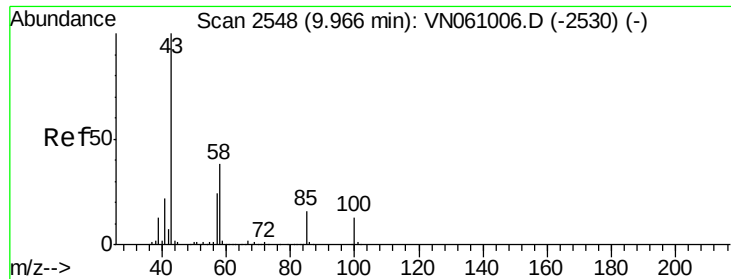
MMDadoda
4/17/2020 11:53:50 AM



#50
Toluene-d8
Concen: 46.719 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	292633		
100	64.8	51.9	77.9	





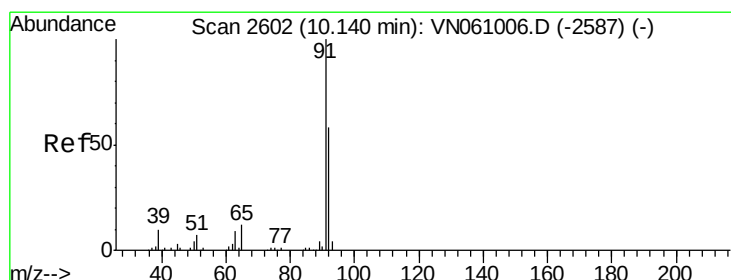
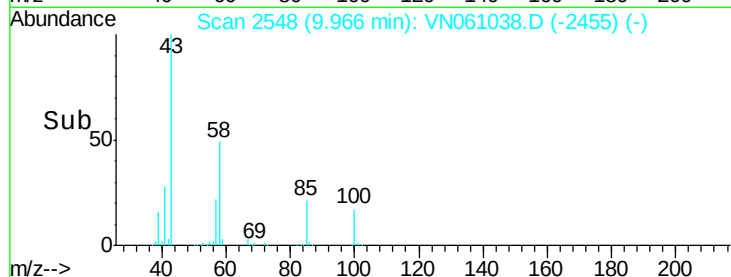
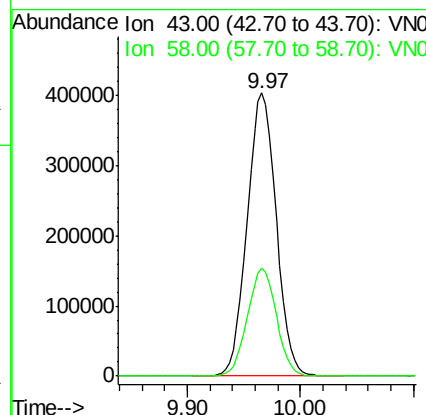
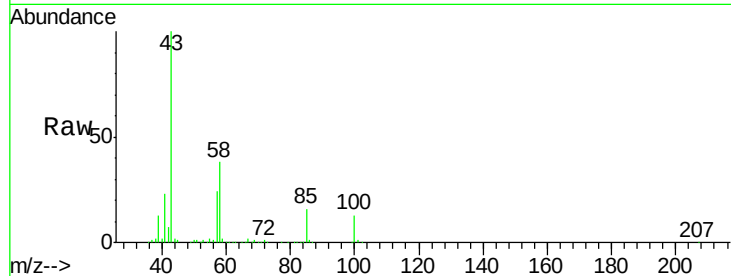
#51
 4-Methyl-2-Pentanone
 Concen: 241.454 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	719962
Ion Ratio	100	Lower	Upper
43	100		
58	38.1	30.3	45.5

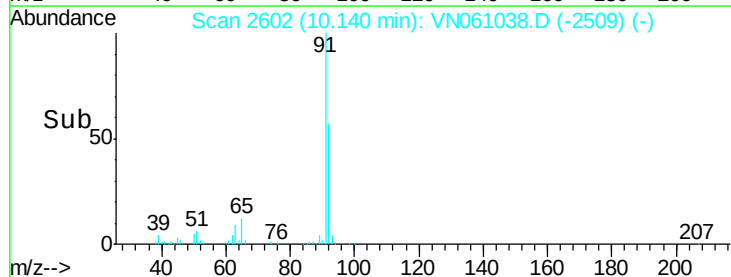
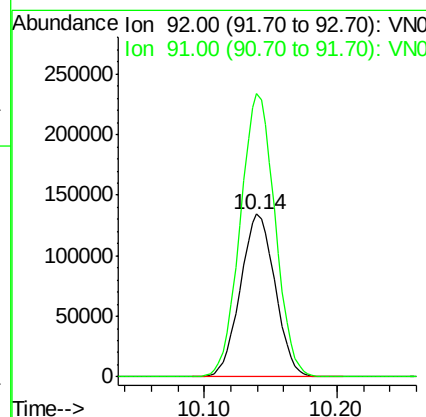
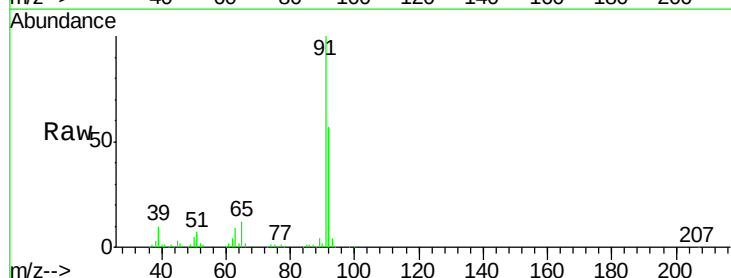
Manual Integrations
 APPROVED

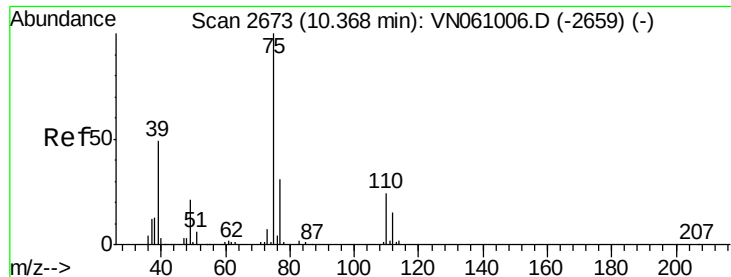
MMDadoda
 4/17/2020 11:53:50 AM



#52
 Toluene
 Concen: 46.831 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion	92	Resp	244123
Ion Ratio	100	Lower	Upper
92	100		
91	174.0	137.7	206.5





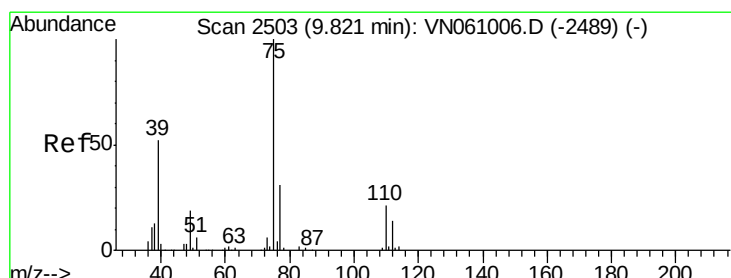
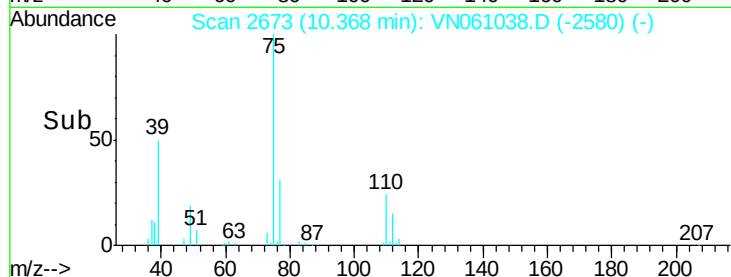
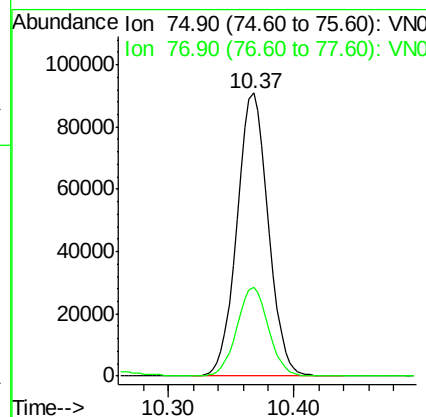
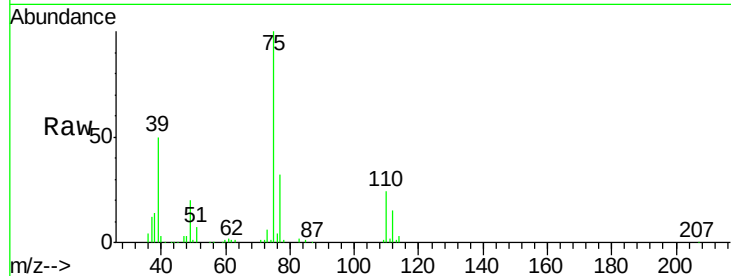
#53
t-1,3-Dichloropropene
Concen: 47.324 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 157143
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

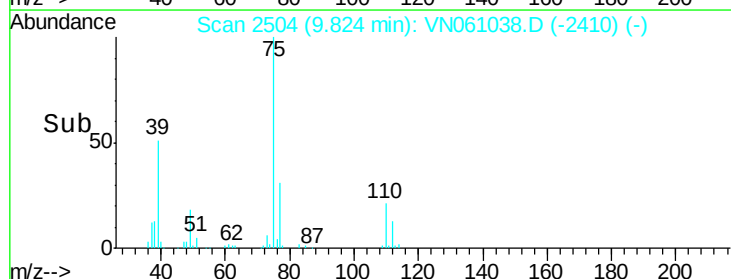
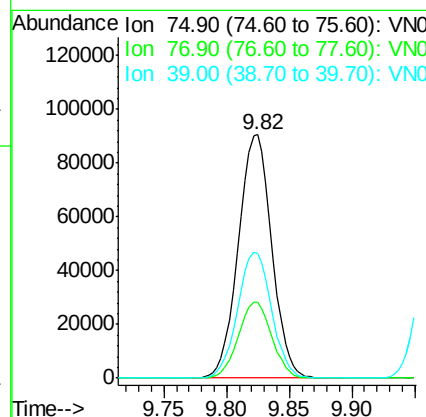
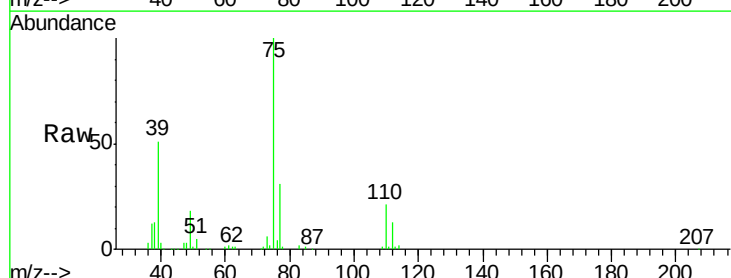
Manual Integrations
APPROVED

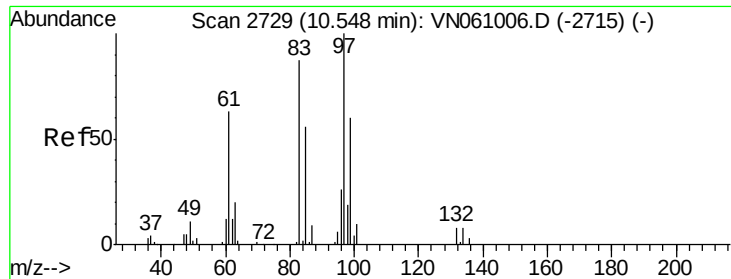
MMDadoda
4/17/2020 11:53:50 AM



#54
cis-1,3-Dichloropropene
Concen: 46.296 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion: 75 Resp: 167731
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6
39 50.9 41.4 62.2





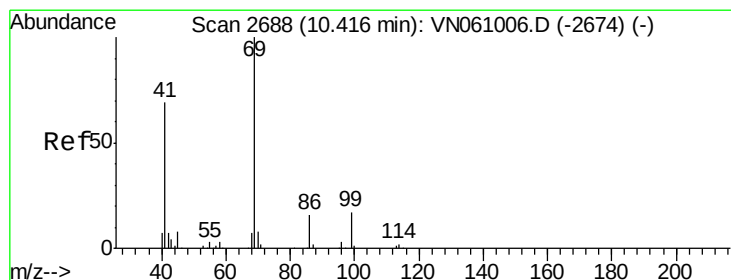
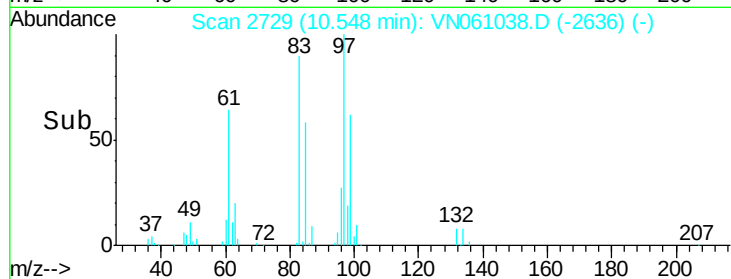
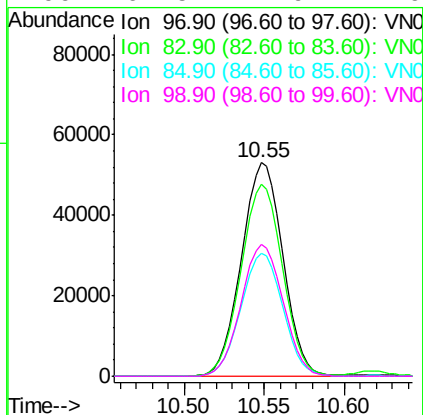
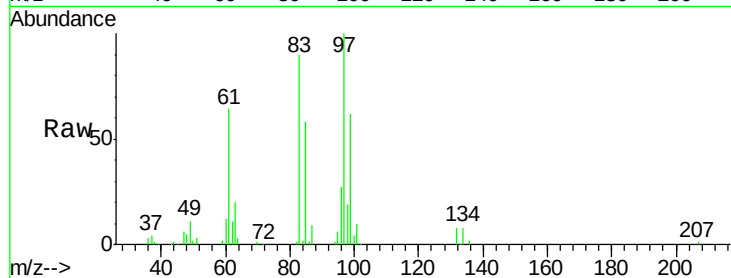
#55
 1,1,2-Trichloroethane
 Concen: 47.680 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	94057
Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.5	104.3
85	57.8	45.0	67.4
99	61.5	47.9	71.9

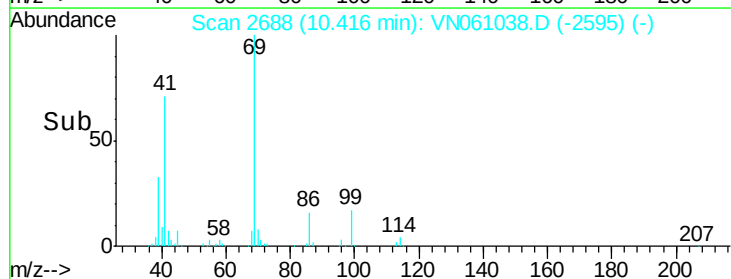
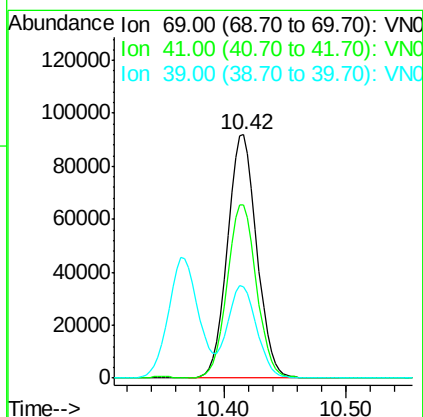
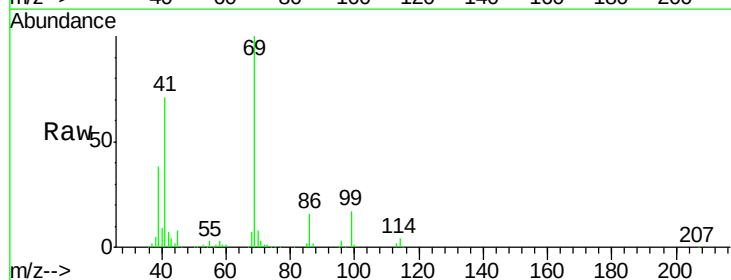
Manual Integrations
 APPROVED

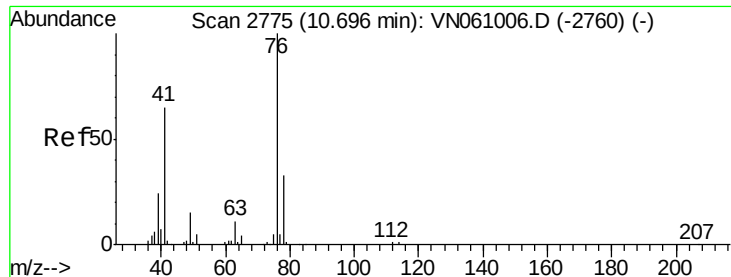
MMDadoda
 4/17/2020 11:53:50 AM



#56
 Ethyl methacrylate
 Concen: 49.758 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion:	69	Resp:	154351
Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.7	85.1
39	37.8	29.4	44.0





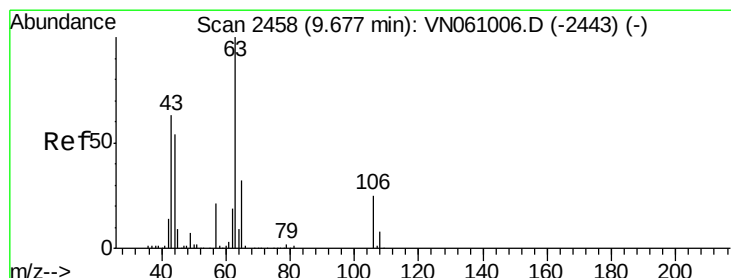
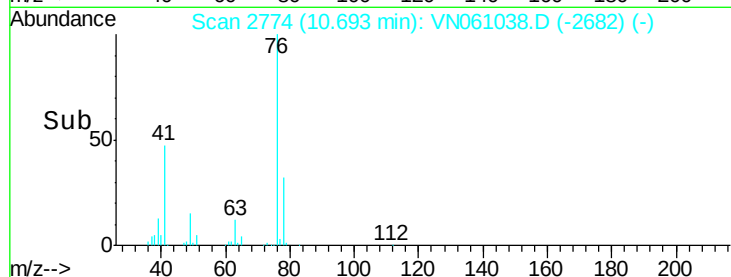
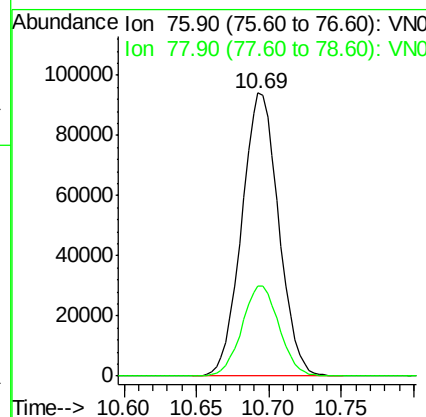
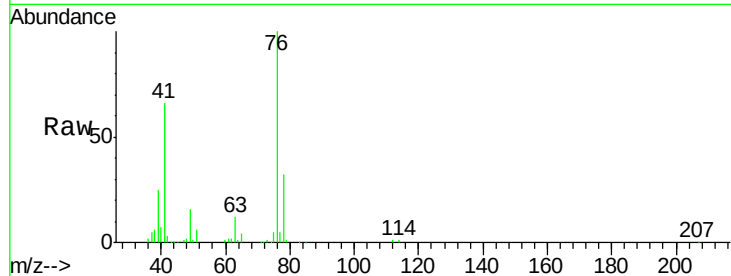
#57
 1,3-Dichloropropane
 Concen: 47.372 ug/l
 RT: 10.69 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 166687
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0

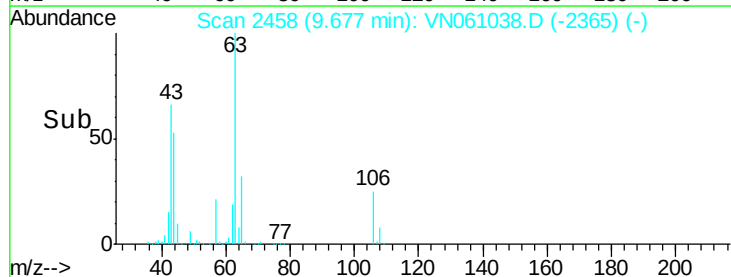
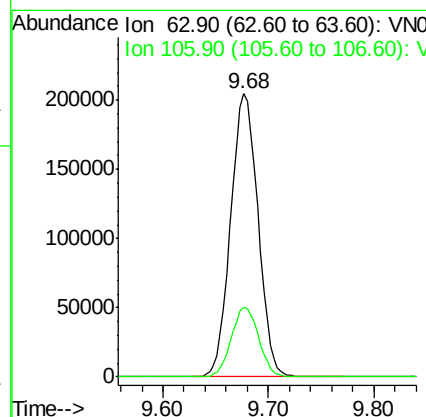
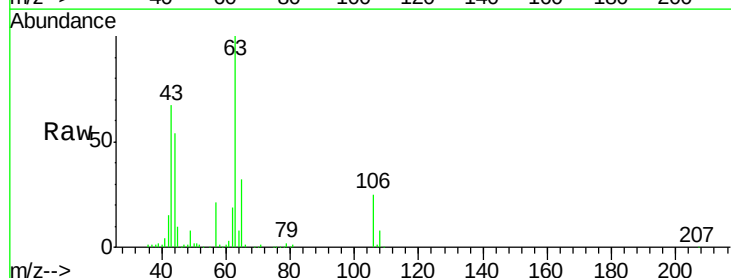
Manual Integrations
 APPROVED

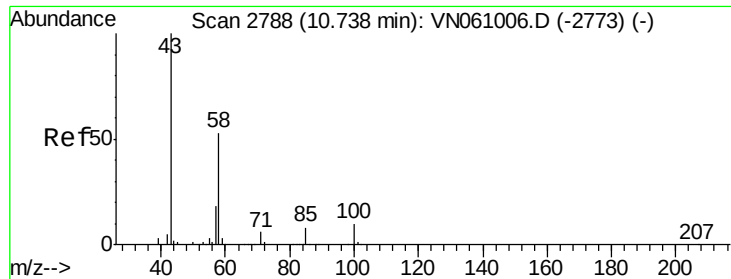
MMDadoda
 4/17/2020 11:53:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.563 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion: 63 Resp: 367279
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.5 29.3





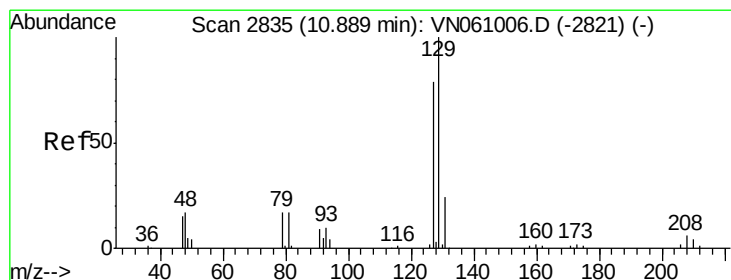
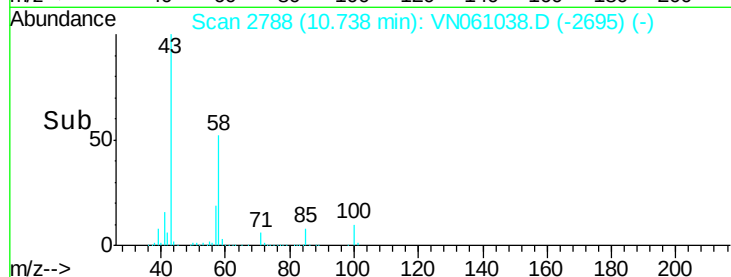
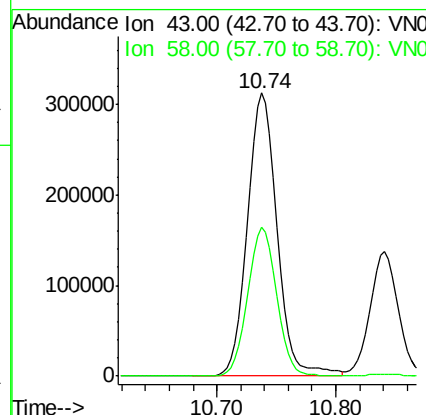
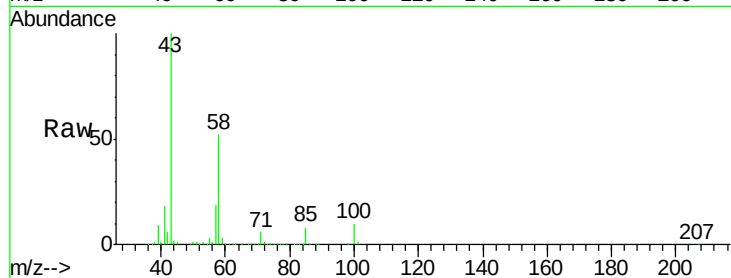
#59
2-Hexanone
Concen: 250.154 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 537930
Ion Ratio Lower Upper
43 100
58 51.3 26.4 79.0

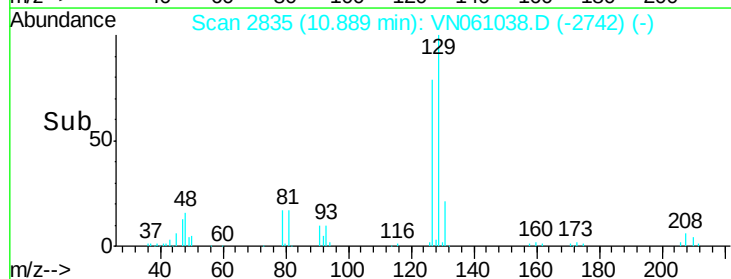
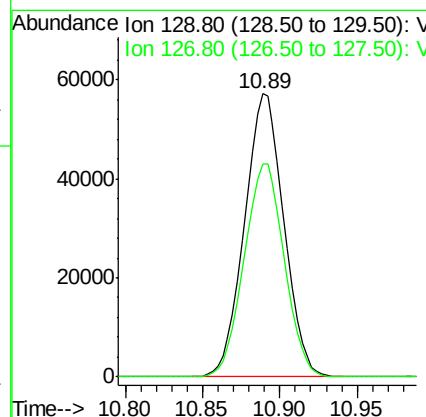
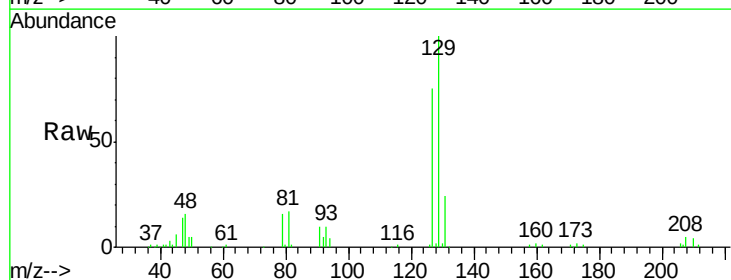
Manual Integrations
APPROVED

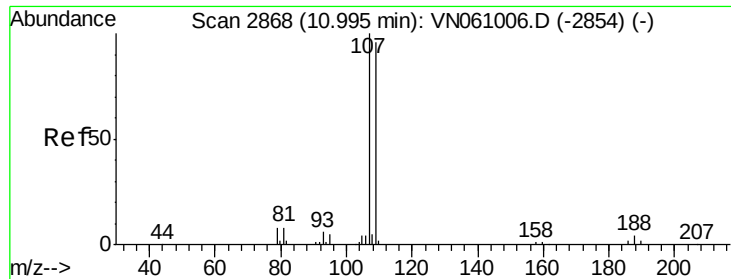
MMDadoda
4/17/2020 11:53:50 AM



#60
Dibromochloromethane
Concen: 49.864 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion: 129 Resp: 101046
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.512 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 97516

Ion Ratio Lower Upper

107 100

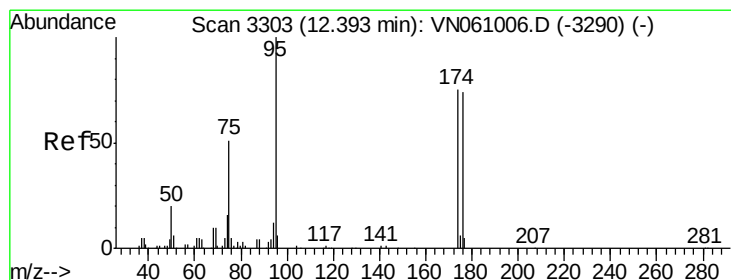
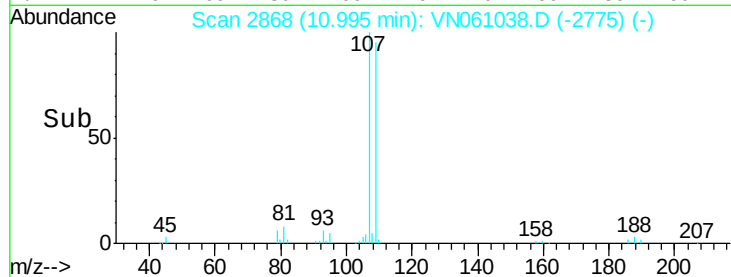
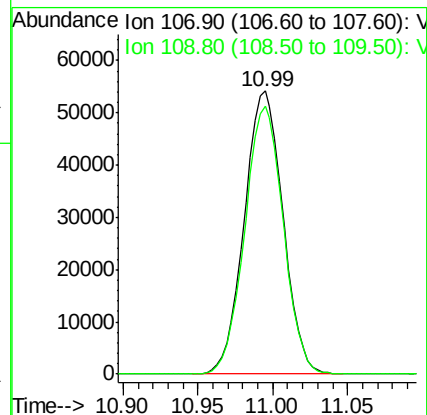
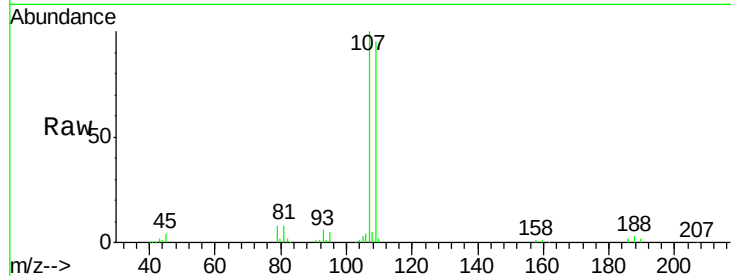
109 94.3 75.9 113.9

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#62

4-Bromofluorobenzene

Concen: 47.023 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

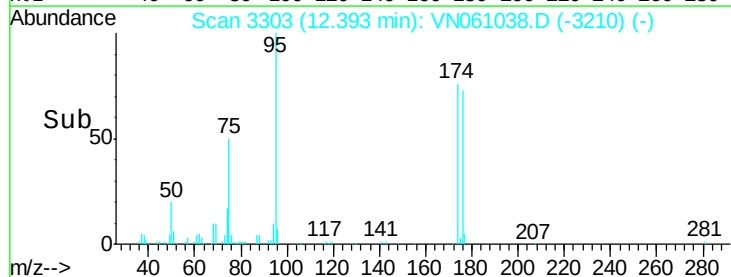
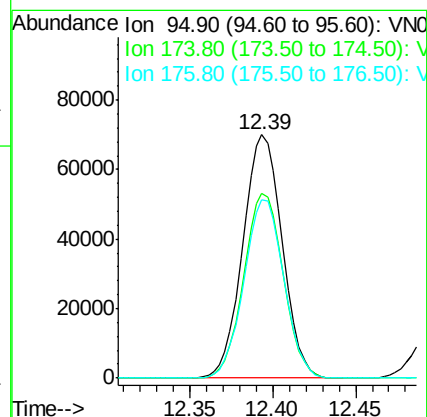
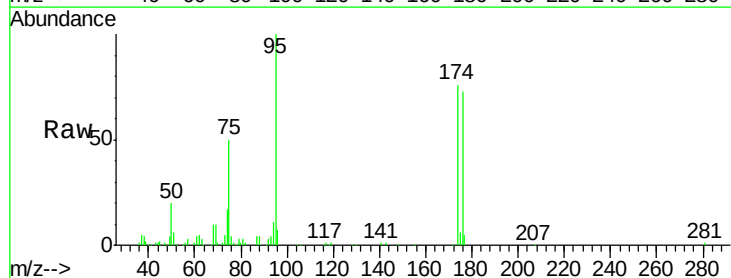
Tgt Ion: 95 Resp: 115437

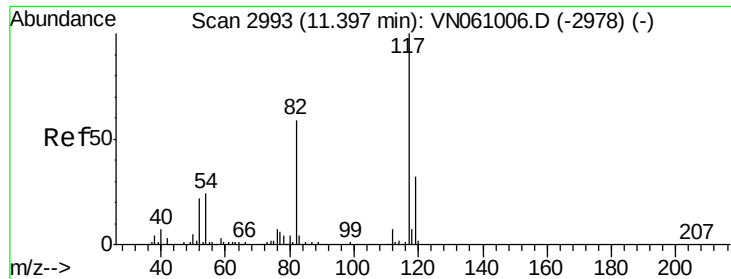
Ion Ratio Lower Upper

95 100

174 76.5 0.0 151.2

176 74.4 0.0 148.2





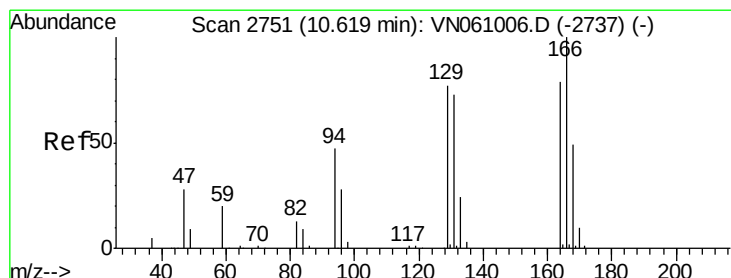
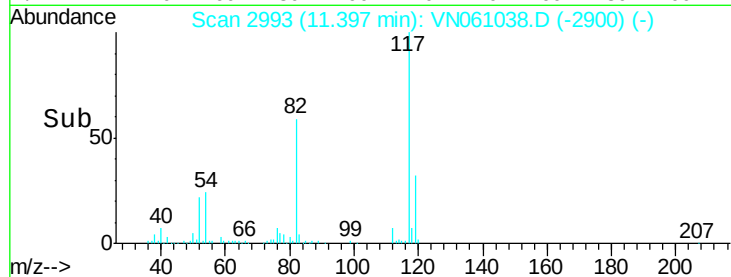
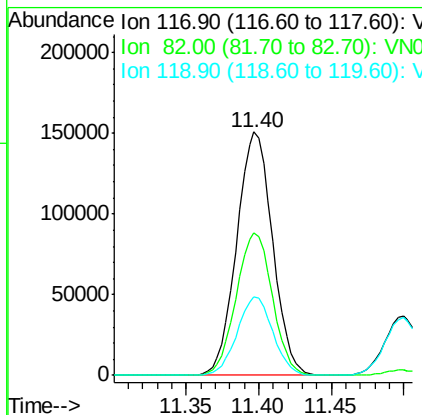
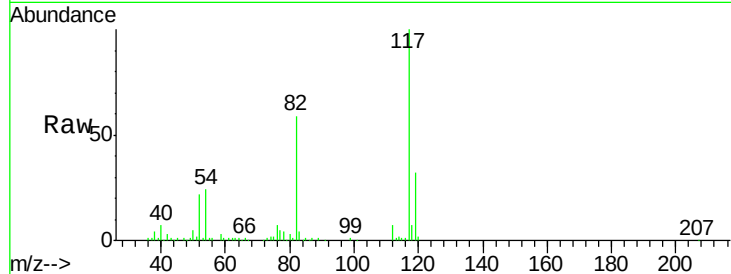
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	259890		
82	58.7	47.1	70.7	
119	32.2	25.7	38.5	

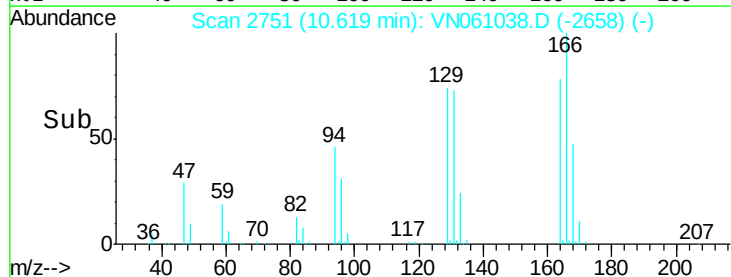
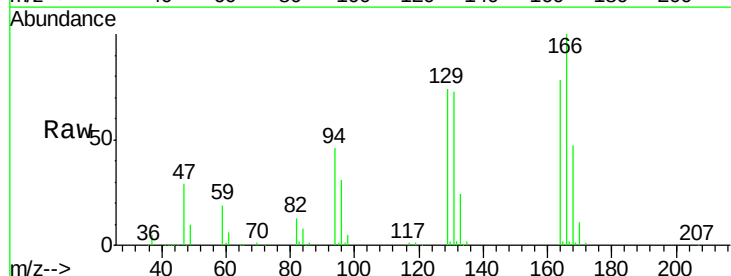
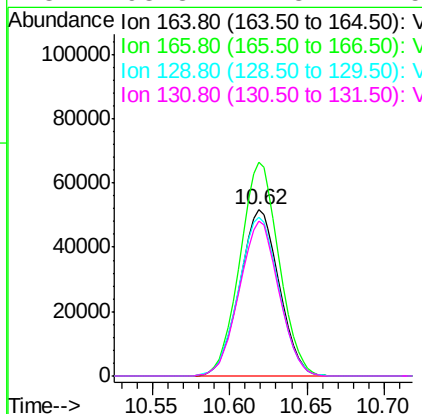
Manual Integrations
APPROVED

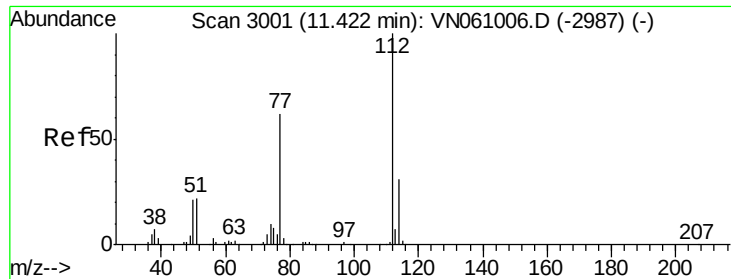
MMDadoda
4/17/2020 11:53:50 AM



#64
Tetrachloroethene
Concen: 46.156 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91791		
166	128.4	101.6	152.4	
129	95.6	78.5	117.7	
131	93.3	74.3	111.5	





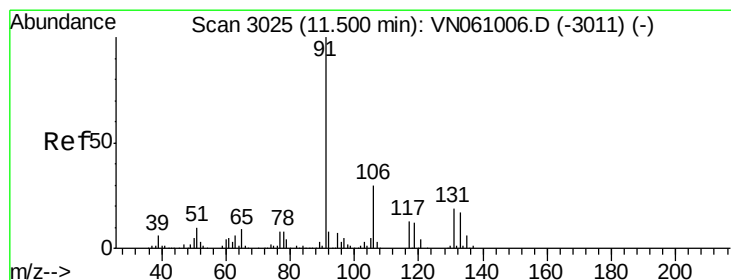
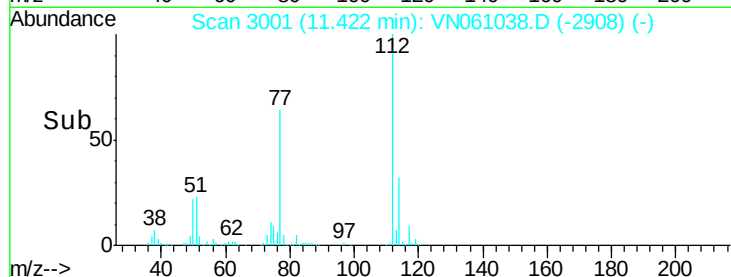
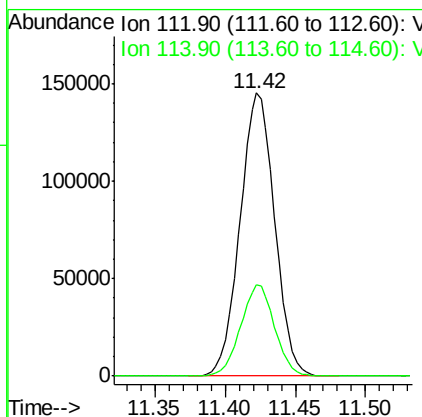
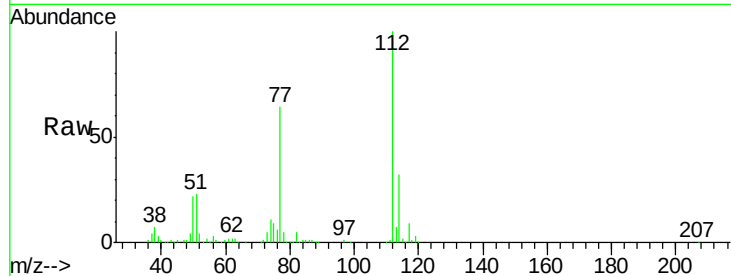
#65
Chlorobenzene
Concen: 46.493 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 249440
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

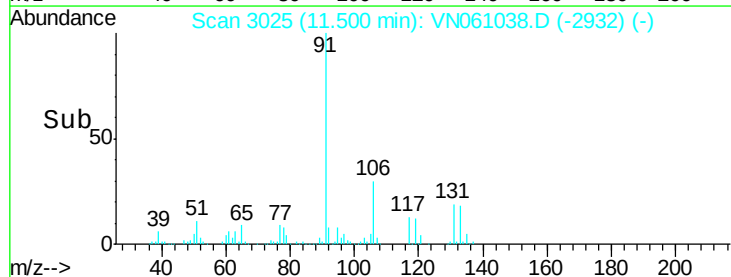
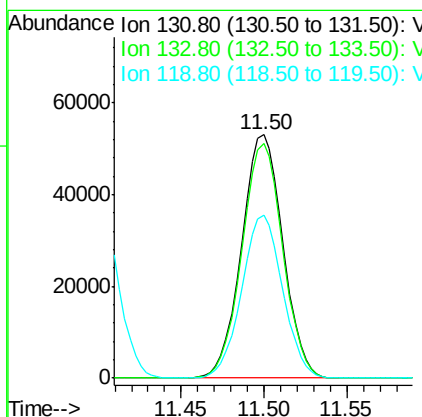
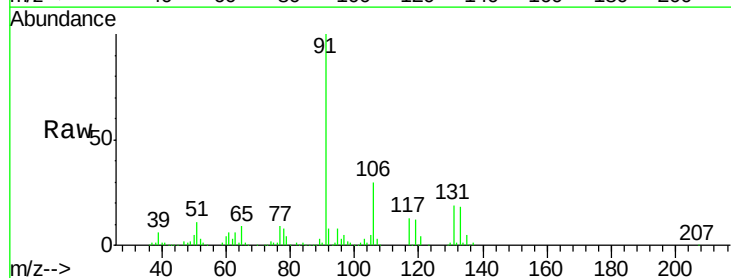
Manual Integrations
APPROVED

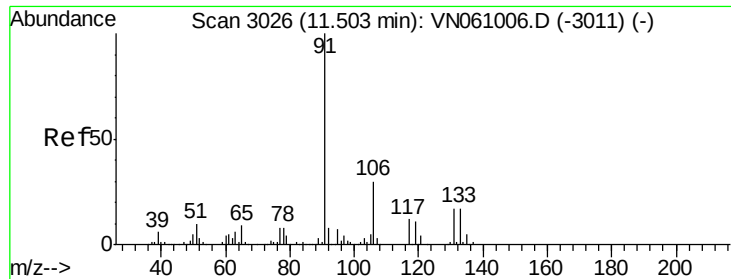
MMDadoda
4/17/2020 11:53:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.758 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion:131 Resp: 91670
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.8
119 66.2 33.3 99.8





#67

Ethyl Benzene

Concen: 46.990 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 474221

Ion Ratio Lower Upper

91 100

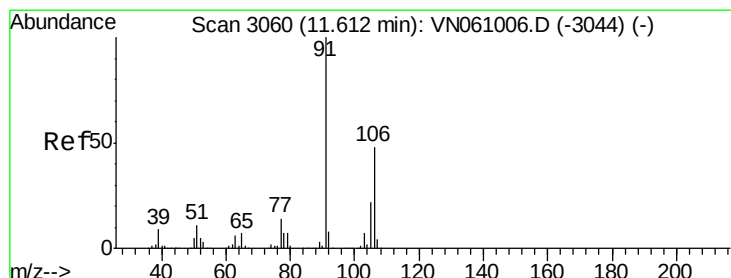
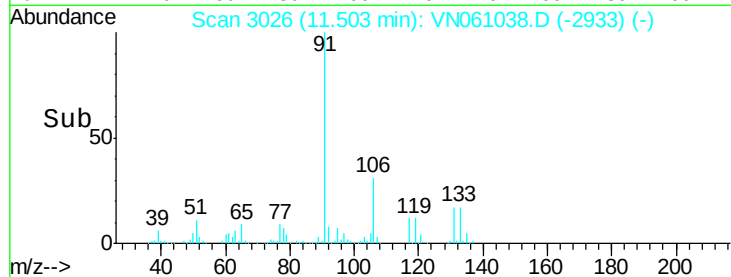
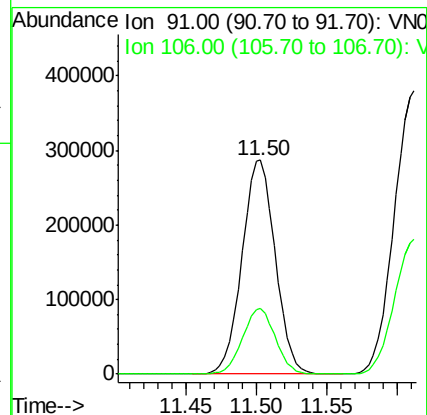
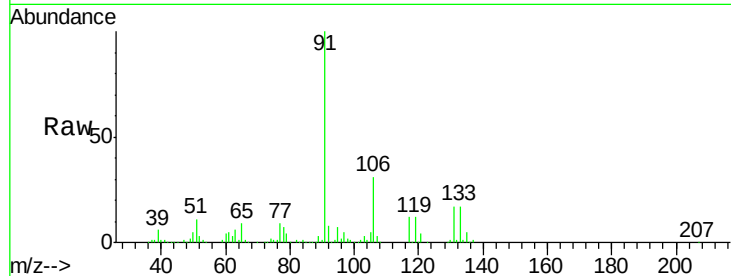
106 30.5 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#68

m/p-Xylenes

Concen: 94.892 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. 0.00 min

Lab File: VN061038.D

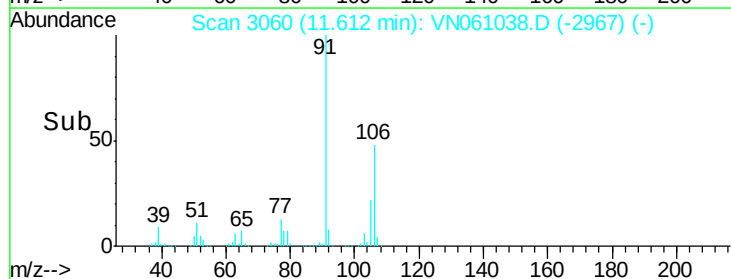
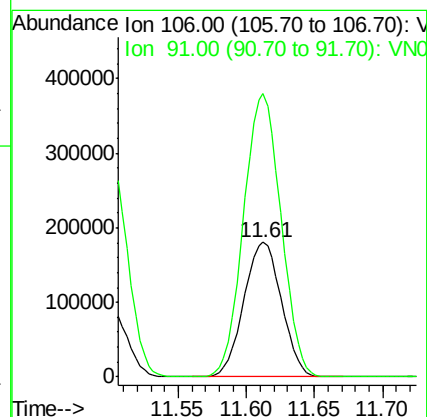
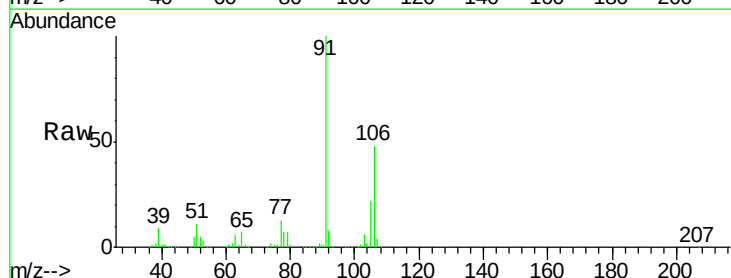
Acq: 17 Apr 2020 1:23

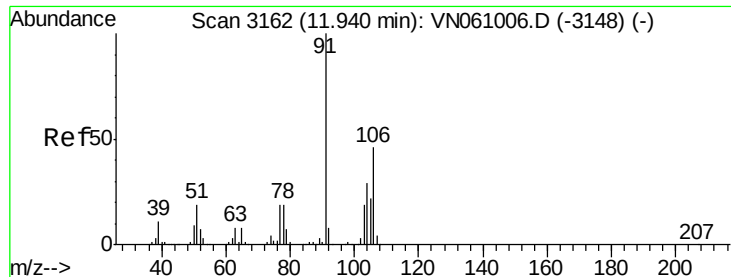
Tgt Ion: 106 Resp: 346091

Ion Ratio Lower Upper

106 100

91 209.2 167.9 251.9





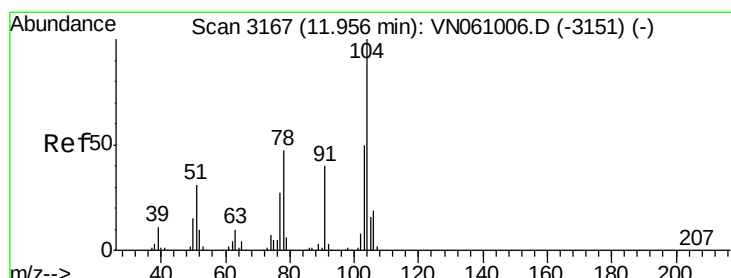
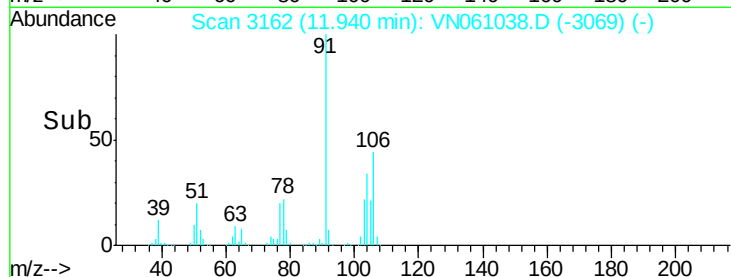
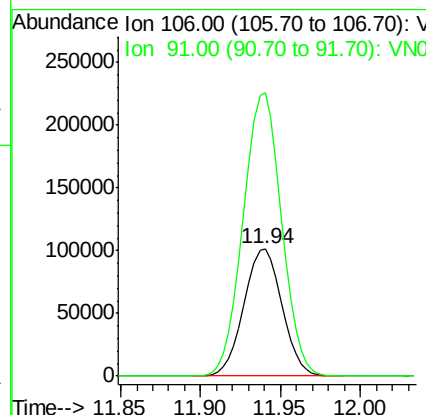
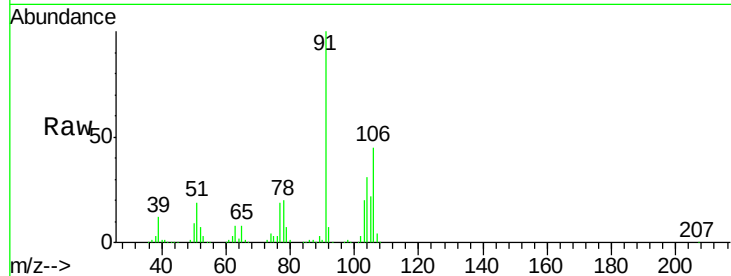
#69
o-Xylene
Concen: 47.141 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	165311		
91	91	223.0	110.7	332.1	

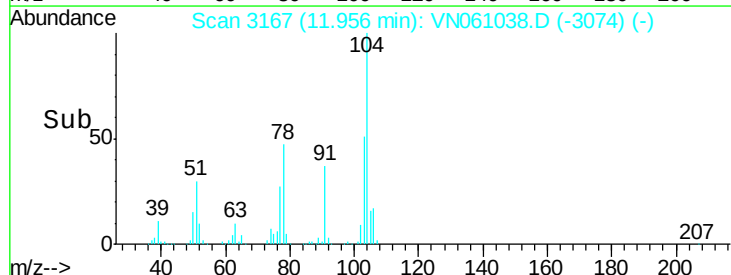
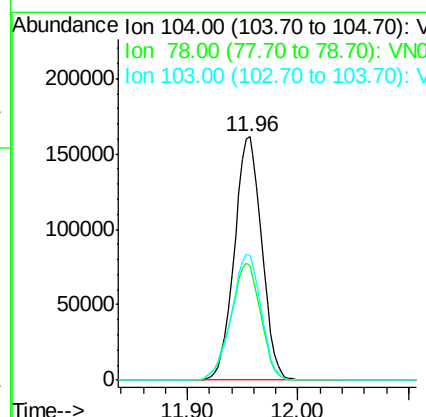
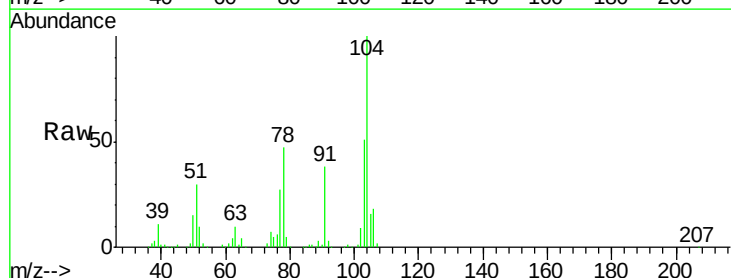
Manual Integrations
APPROVED

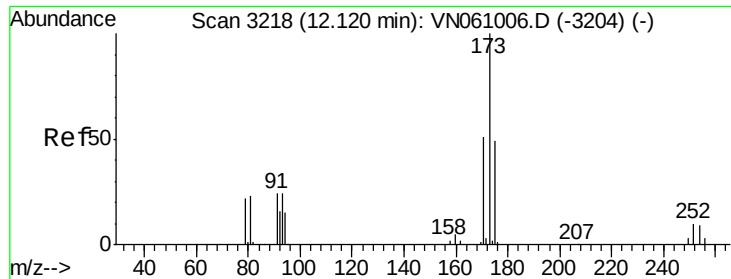
MMDadoda
4/17/2020 11:53:50 AM



#70
Styrene
Concen: 49.331 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	278498		
78	78	52.3	42.2	63.4	
103	103	55.8	44.4	66.6	





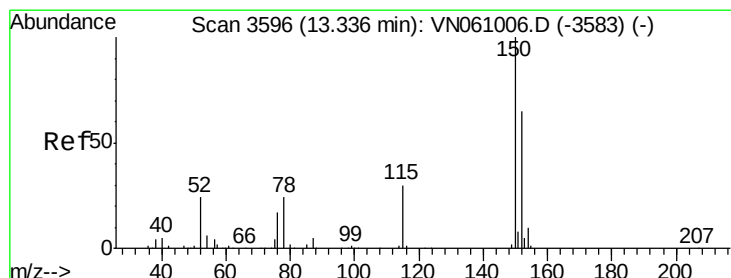
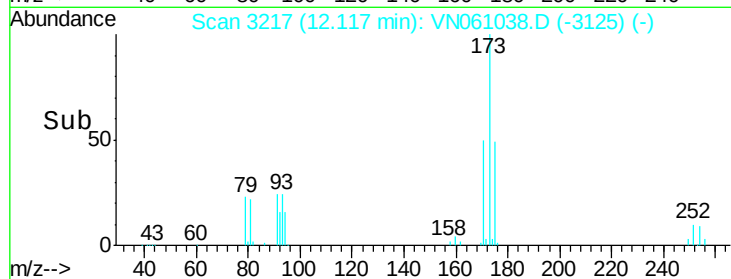
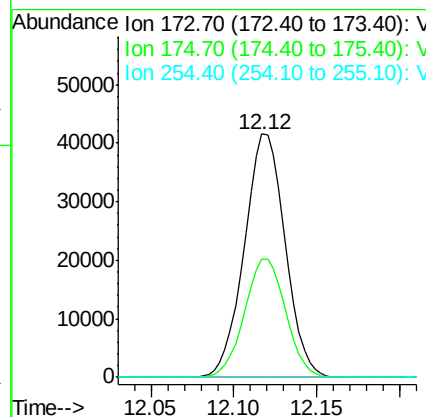
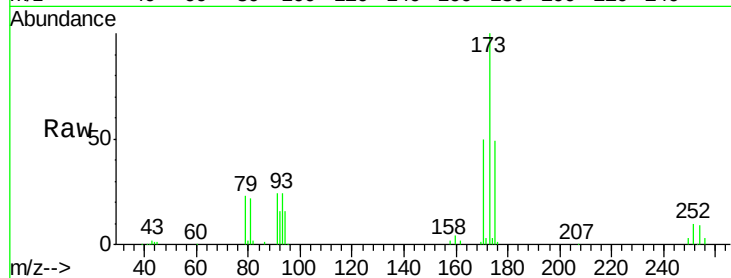
#71
Bromoform
Concen: 49.776 ug/l
RT: 12.12 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.5	73.5
254	0.0	0.0	0.0

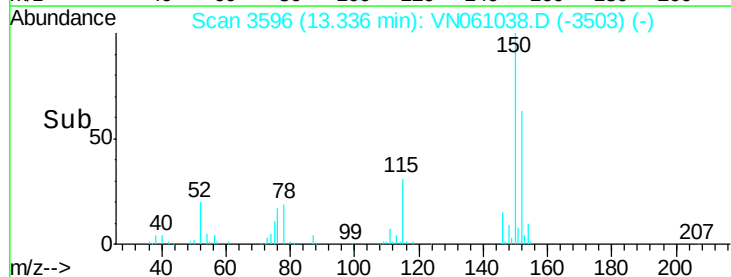
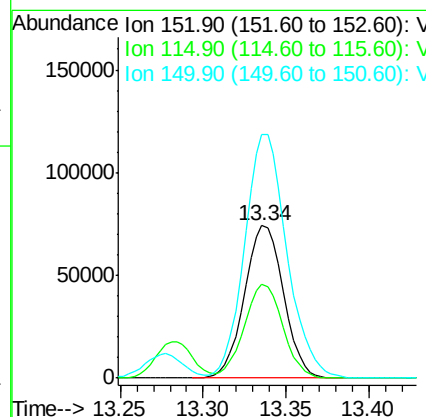
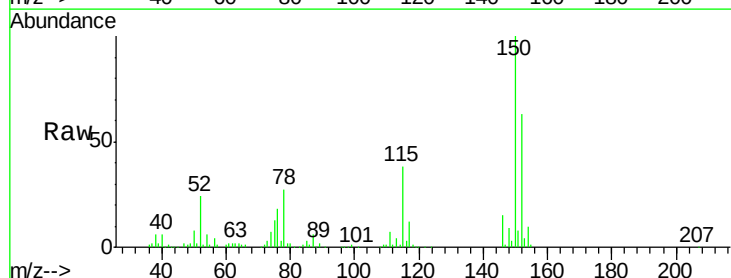
Manual Integrations
APPROVED

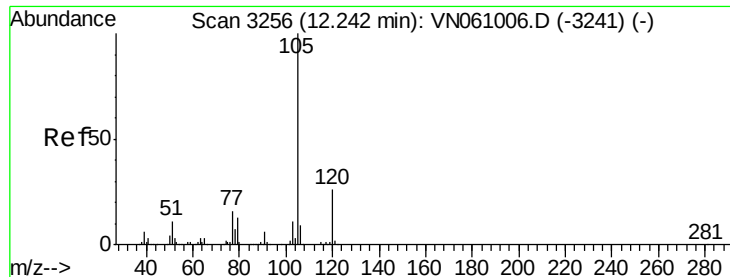
MMDadoda
4/17/2020 11:53:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.8	92.4
150	173.0	0.0	349.0





#73

Isopropylbenzene

Concen: 45.650 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 444156

Ion Ratio Lower Upper

105 100

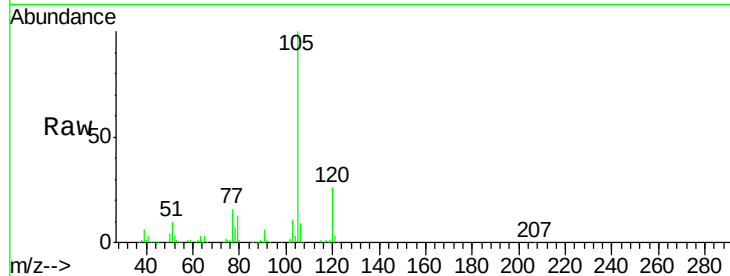
120 26.0 13.0 38.9

Manual Integrations

APPROVED

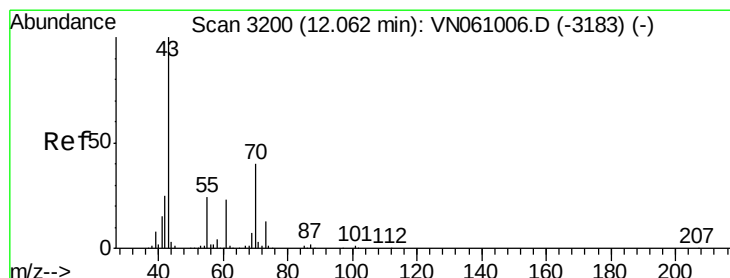
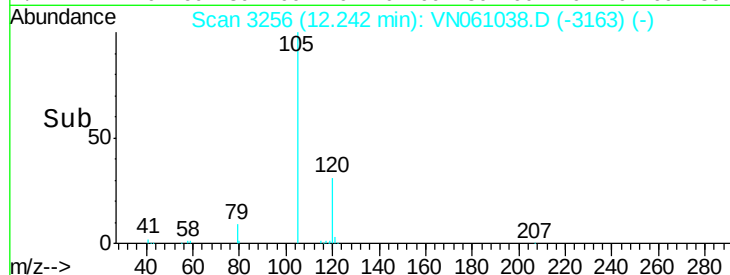
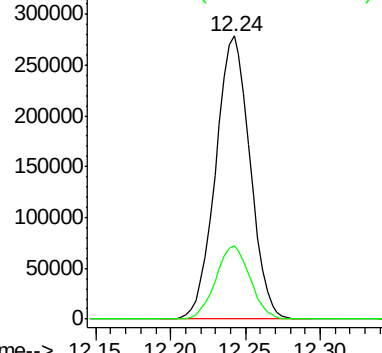
MMDadoda

4/17/2020 11:53:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.735 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Tgt Ion: 43 Resp: 215982

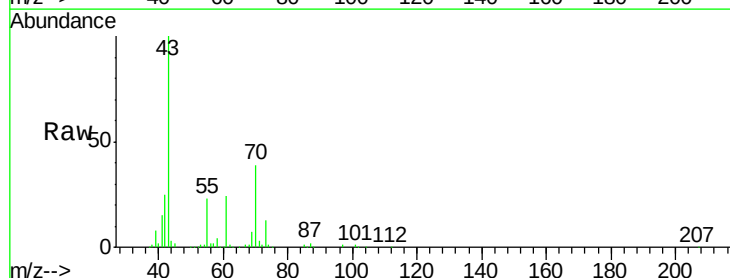
Ion Ratio Lower Upper

43 100

70 39.3 31.0 46.6

55 23.2 18.6 27.8

61 23.5 18.2 27.4

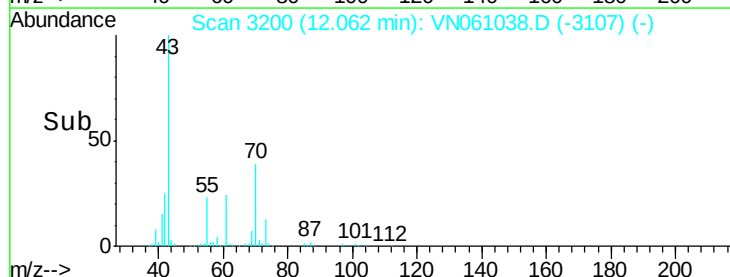
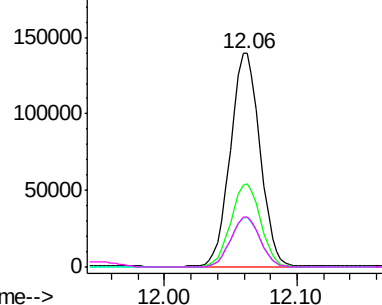


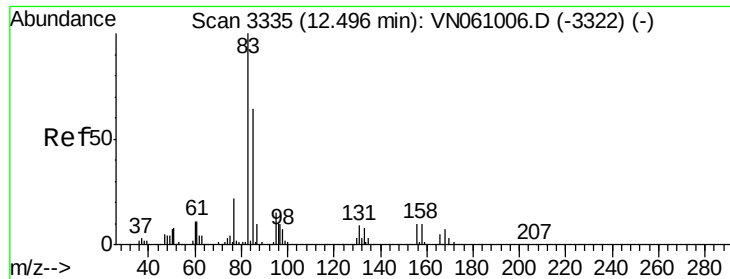
Abundance Ion 43.00 (42.70 to 43.70): V

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





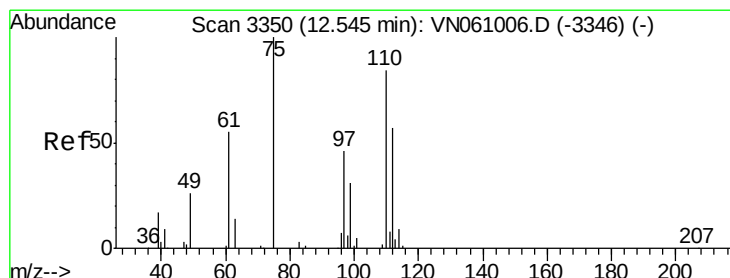
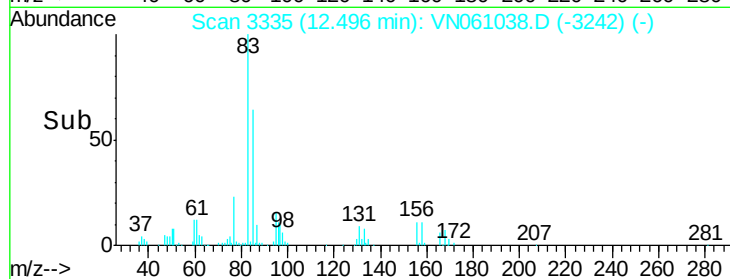
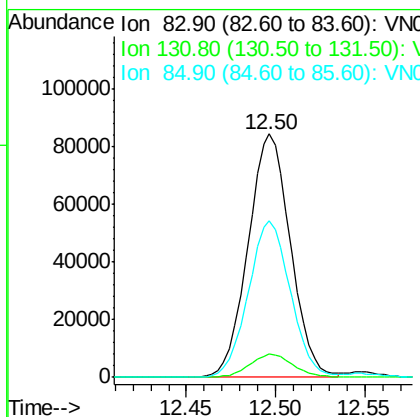
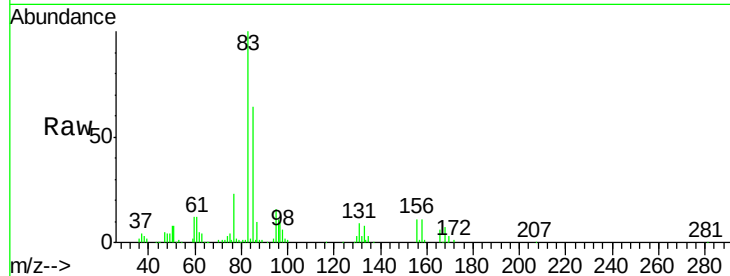
#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.024 ug/l
 RT: 12.50 min Scan# 3335
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	139662		
131	9.8	4.8	14.3	
85	64.0	32.3	96.8	

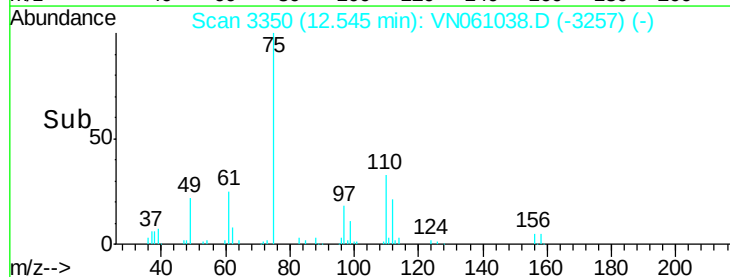
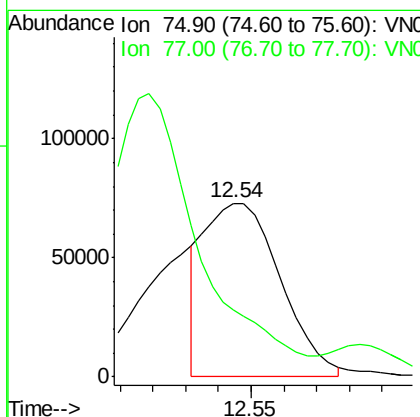
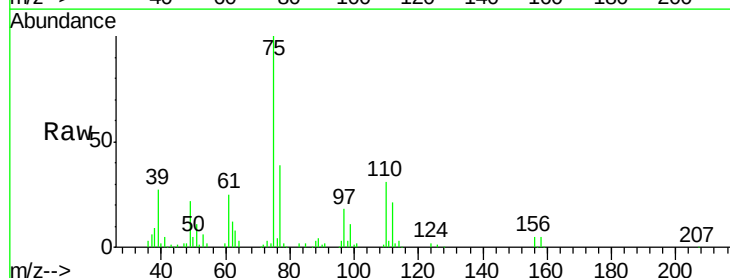
Manual Integrations
 APPROVED

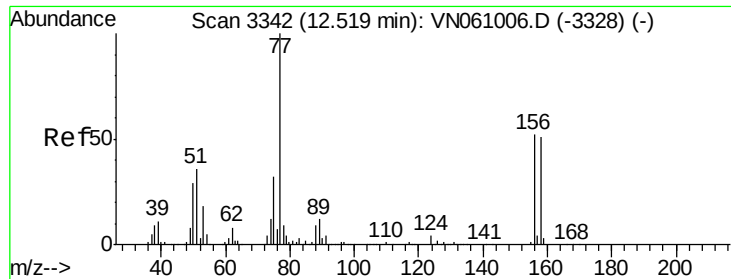
MMDadoda
 4/17/2020 11:53:50 AM



#76
 1,2,3-Trichloropropane
 Concen: 44.110 ug/l m
 RT: 12.54 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117833		
77	0.0	0.0	0.0	





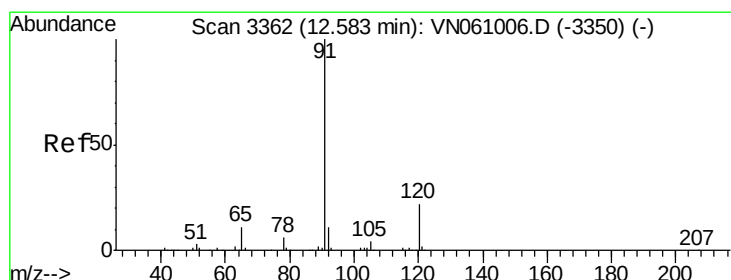
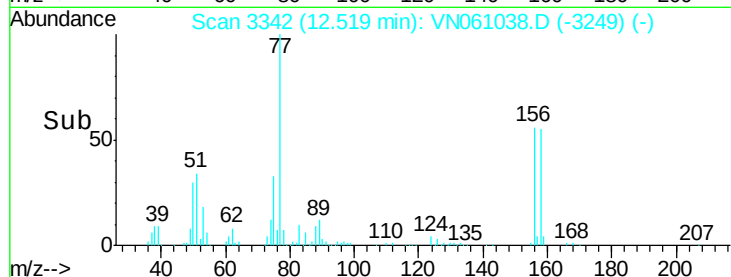
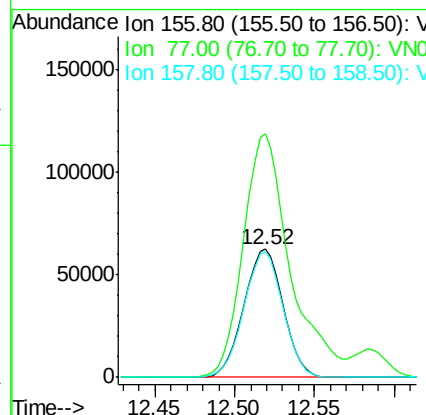
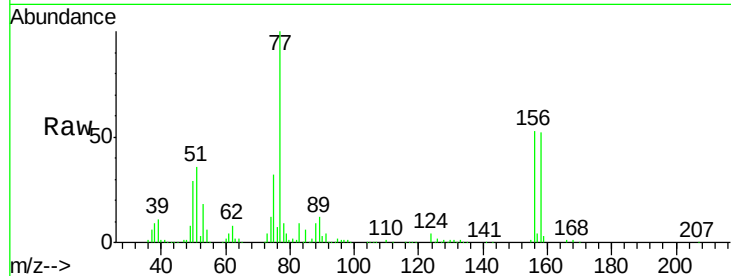
#77
Bromobenzene
Concen: 46.072 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	229.2	115.6	346.8
158	97.9	48.9	146.6

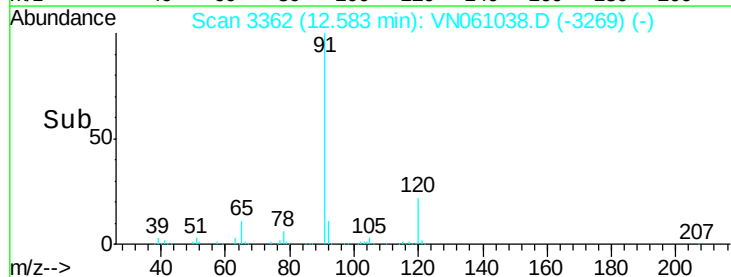
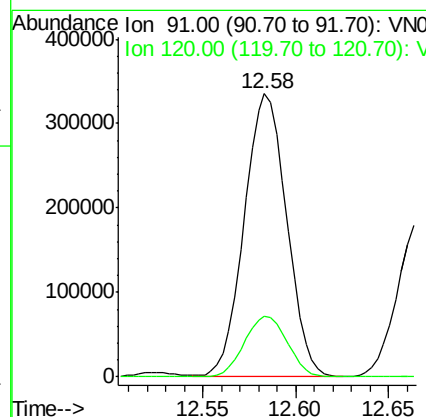
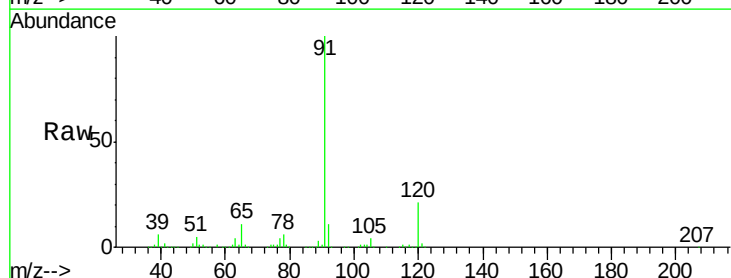
Manual Integrations
APPROVED

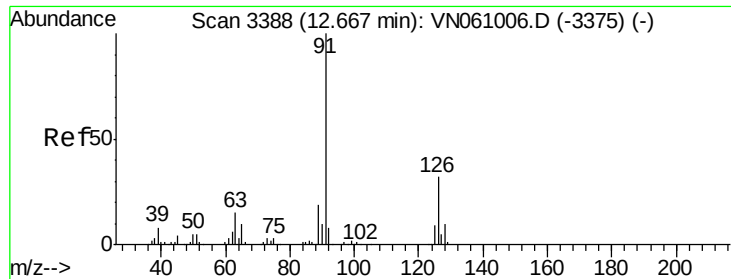
MMDadoda
4/17/2020 11:53:50 AM



#78
n-propylbenzene
Concen: 46.668 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 46.256 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 308821

Ion Ratio Lower Upper

91 100

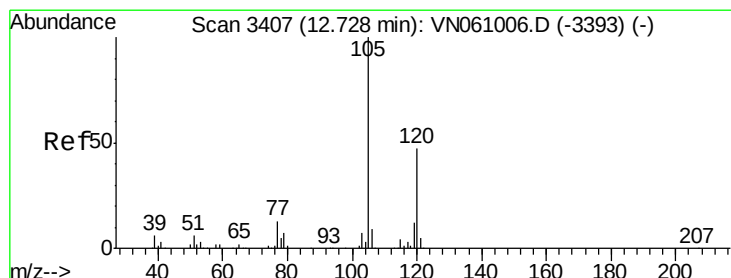
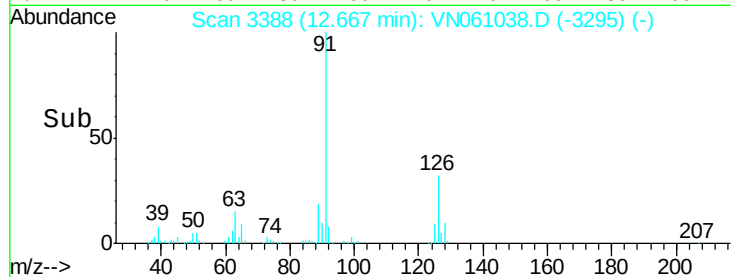
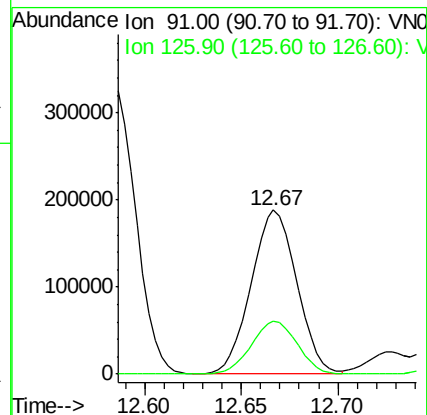
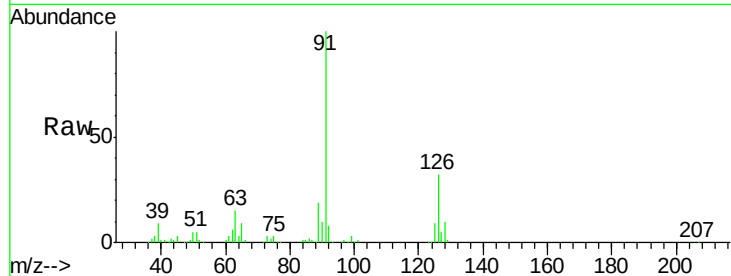
126 32.5 16.1 48.2

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#80

1,3,5-Trimethylbenzene

Concen: 46.768 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN061038.D

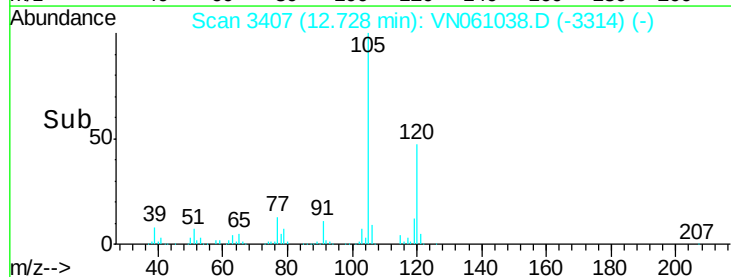
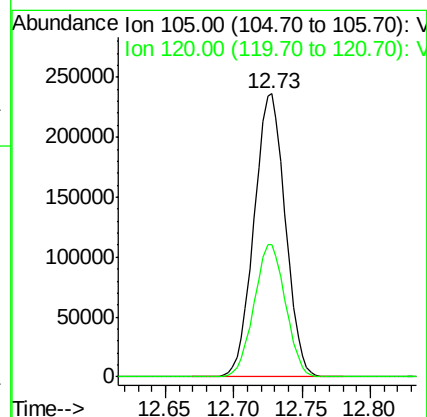
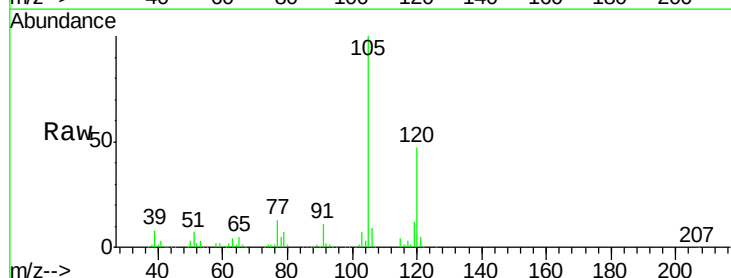
Acq: 17 Apr 2020 1:23

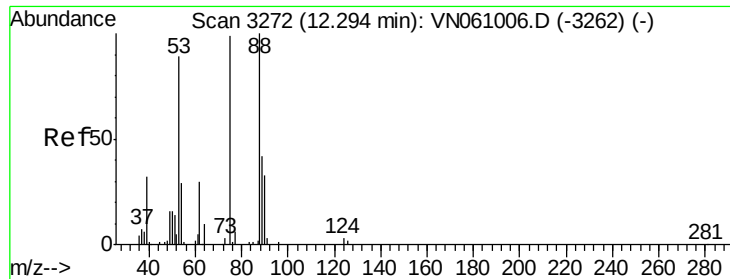
Tgt Ion: 105 Resp: 376116

Ion Ratio Lower Upper

105 100

120 47.0 23.6 70.8





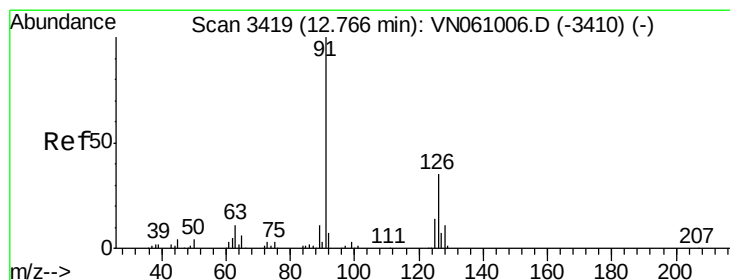
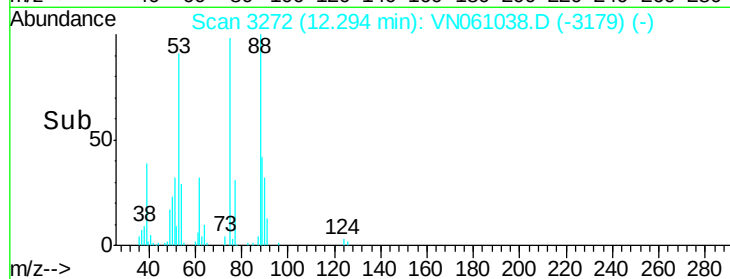
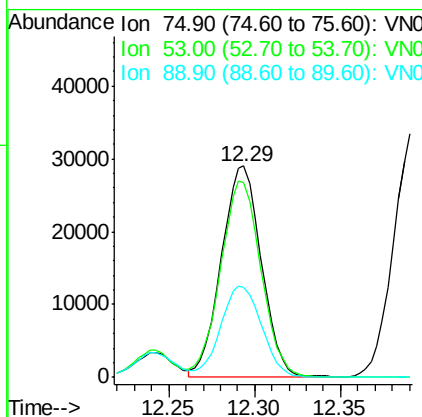
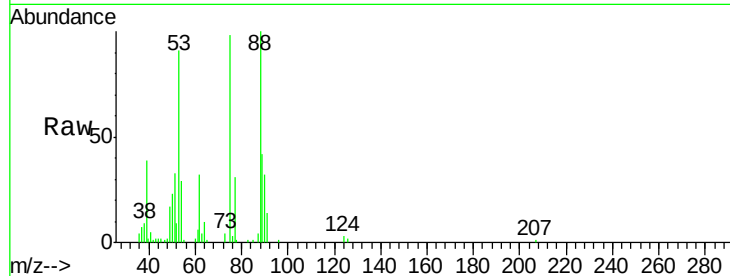
#81
trans-1,4-Dichloro-2-butene
Concen: 43.625 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	74.7	112.1
89	44.0	34.6	52.0

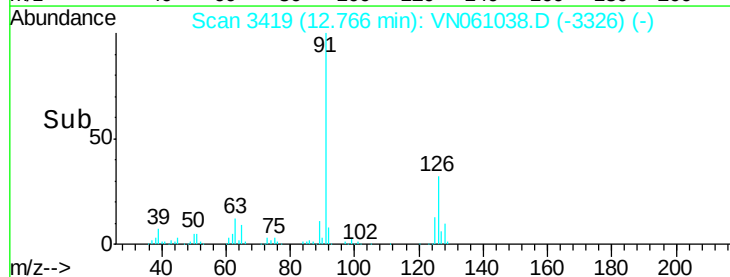
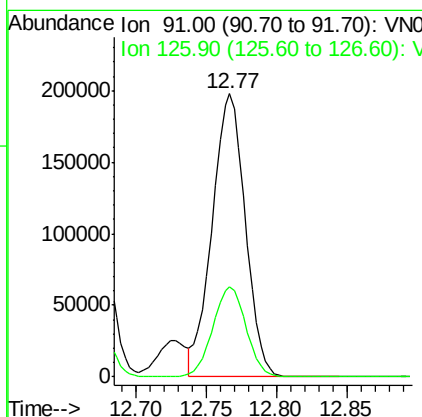
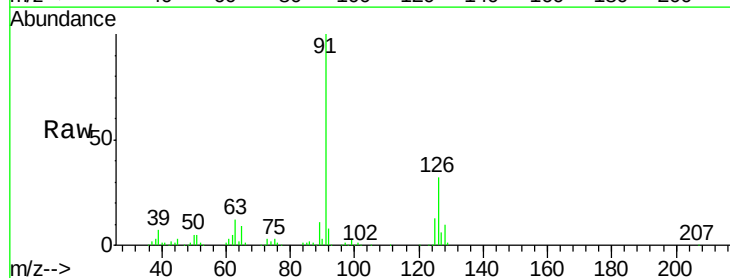
Manual Integrations
APPROVED

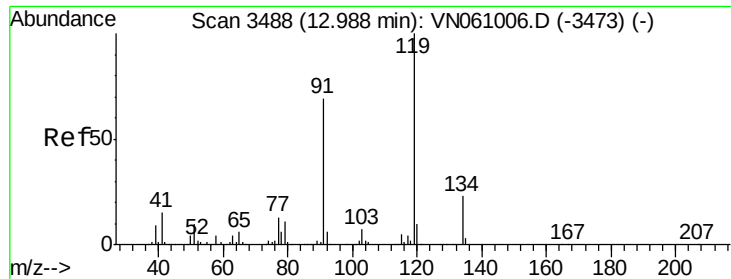
MMDadoda
4/17/2020 11:53:50 AM



#82
4-Chlorotoluene
Concen: 46.442 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.6





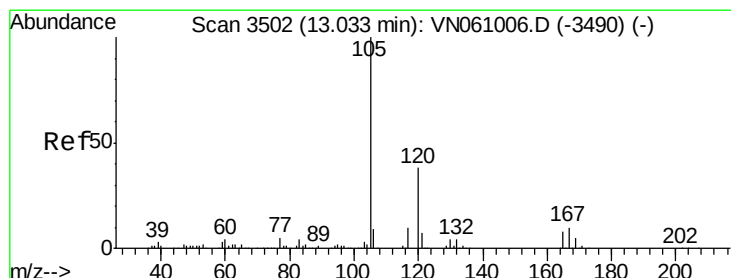
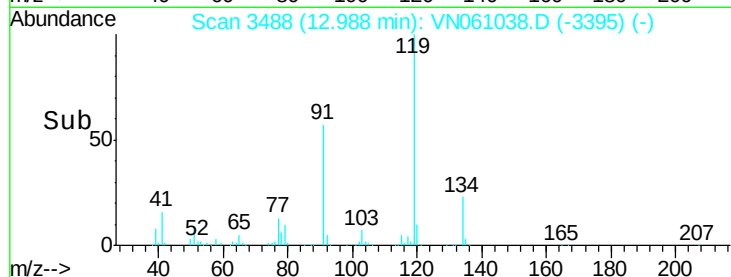
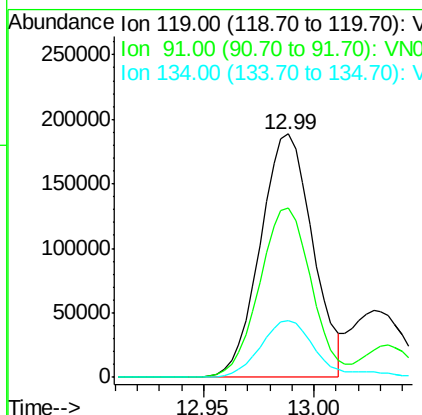
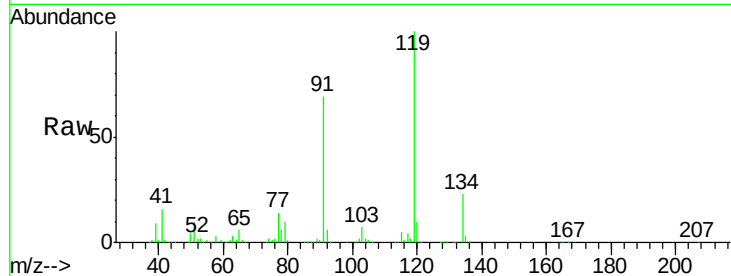
#83
 tert-Butylbenzene
 Concen: 45.883 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	310328		
91	68.8	34.1	102.3	
134	25.2	12.4	37.2	

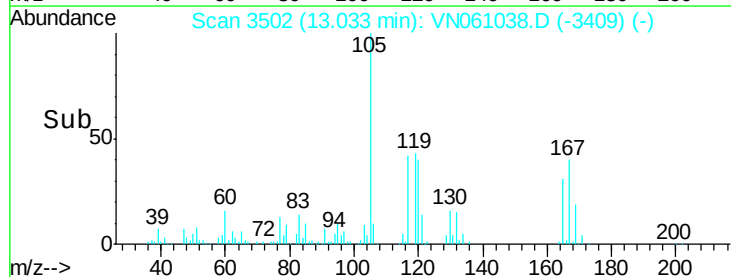
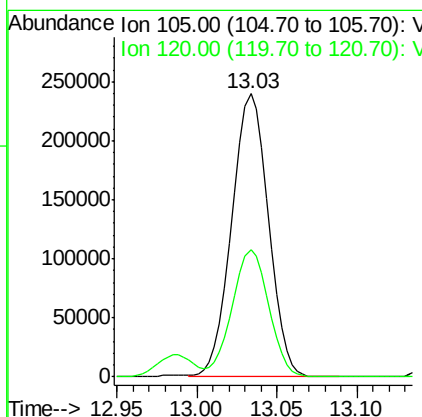
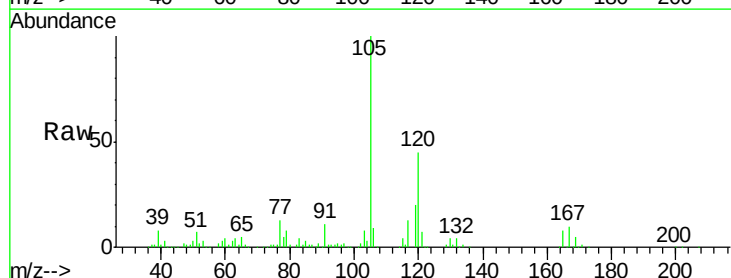
Manual Integrations
 APPROVED

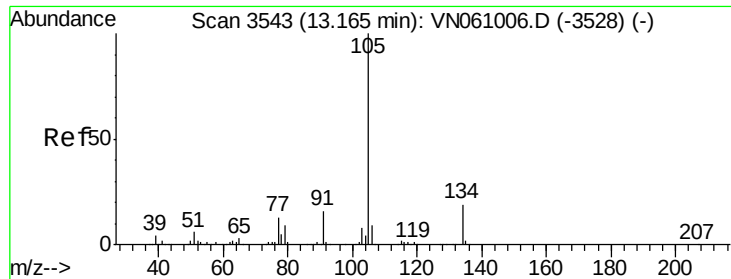
MMDadoda
 4/17/2020 11:53:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.088 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	374330		
120	44.9	22.1	66.5	





#85

sec-Butylbenzene

Concen: 46.253 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 423864

Ion Ratio Lower Upper

105 100

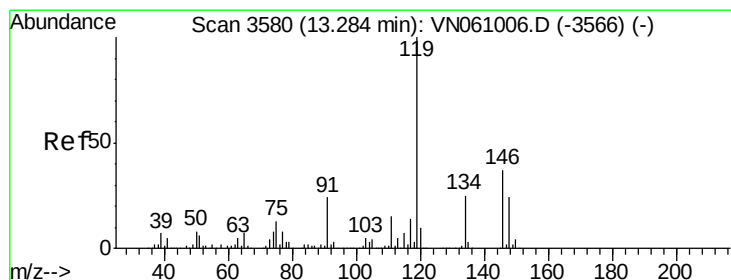
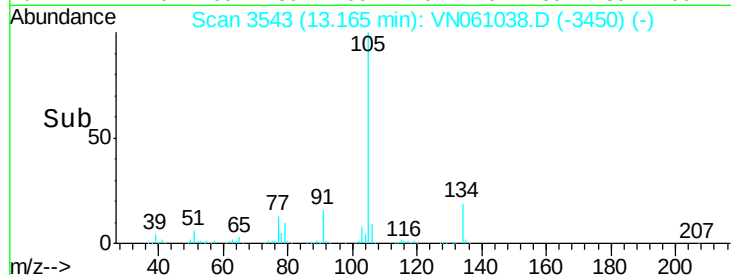
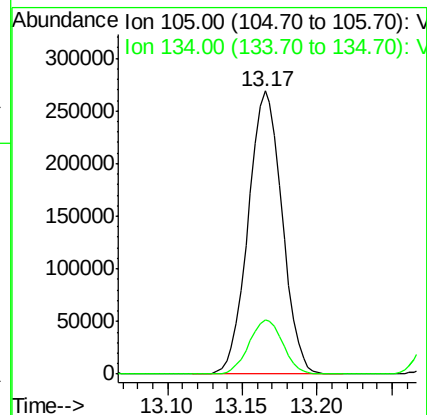
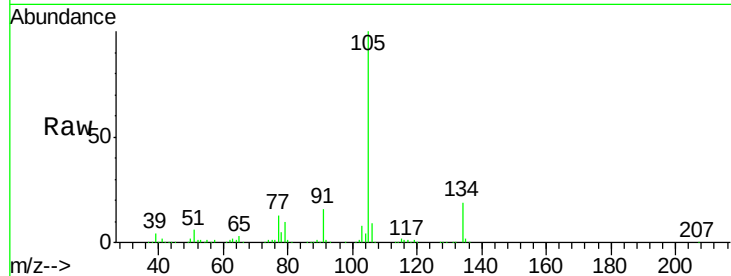
134 19.2 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:50 AM



#86

p-Isopropyltoluene

Concen: 46.746 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

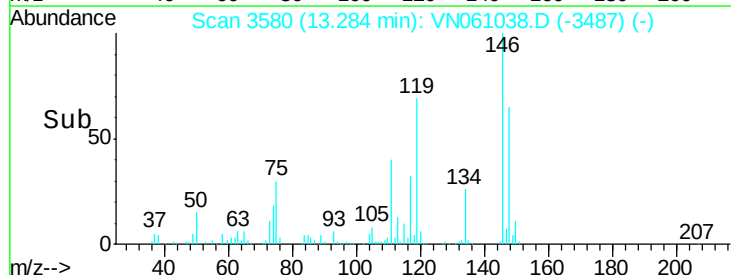
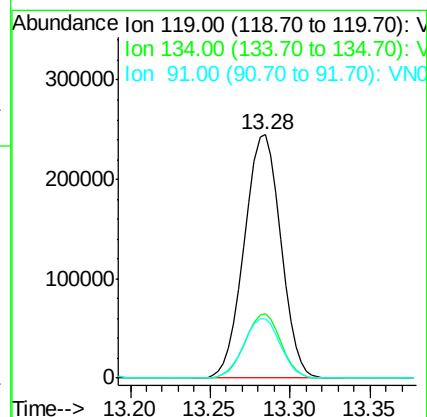
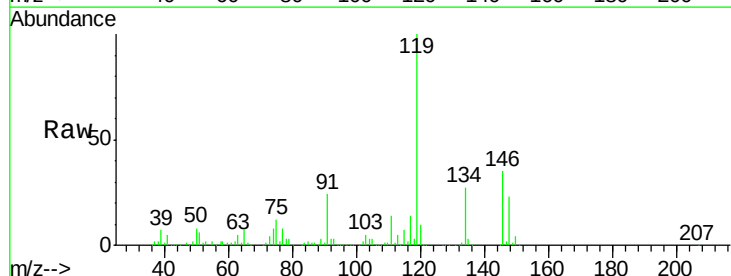
Tgt Ion:119 Resp: 381460

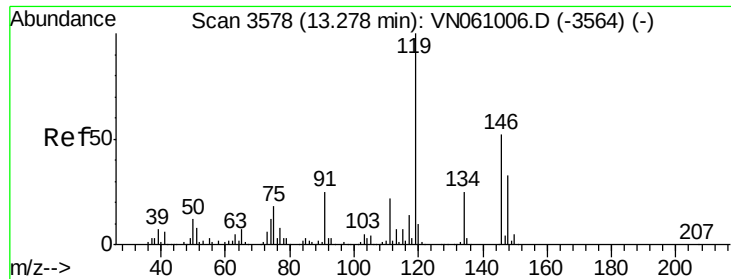
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 46.650 ug/l

RT: 13.27 min Scan# 3577

Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Instrument :

MSVOA_N

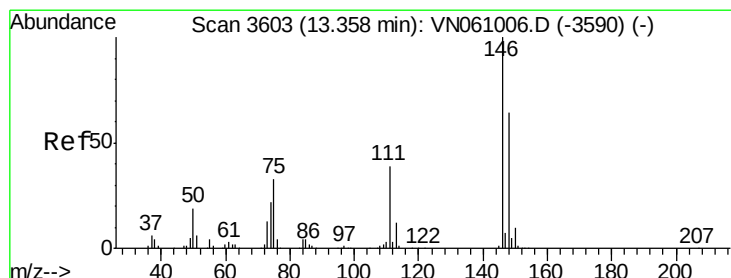
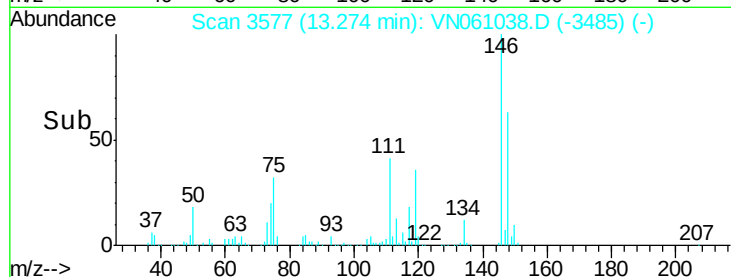
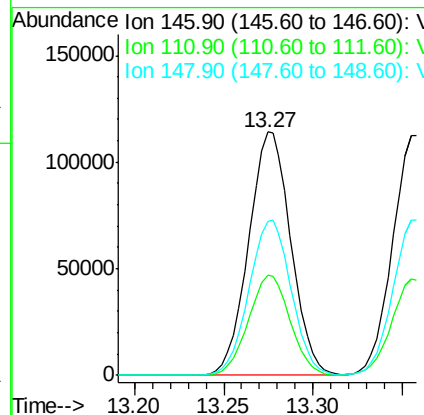
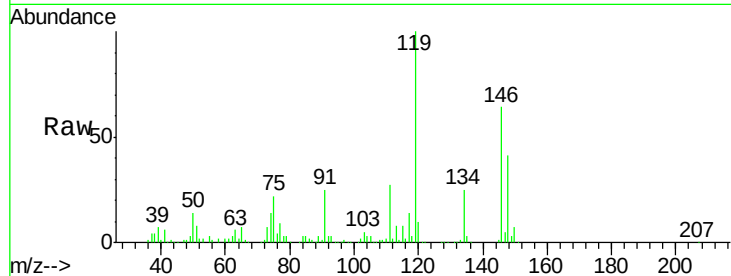
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	188864
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.6	61.8
148	63.9	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM



#88

1,4-Dichlorobenzene

Concen: 46.002 ug/l

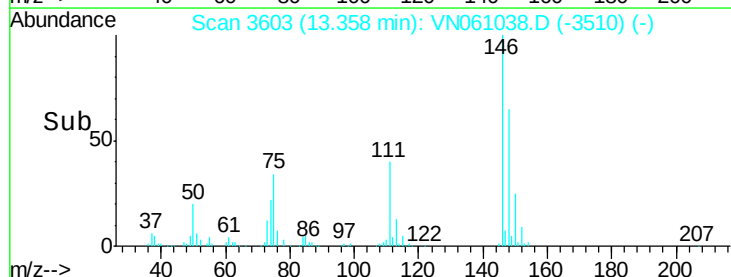
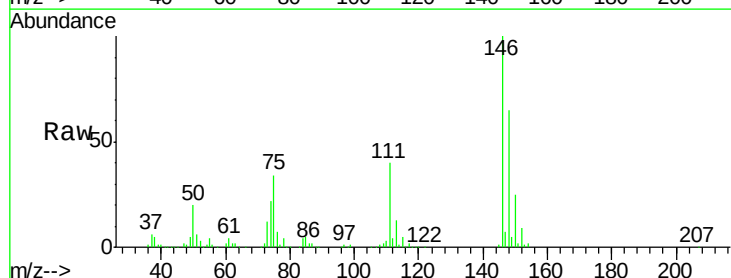
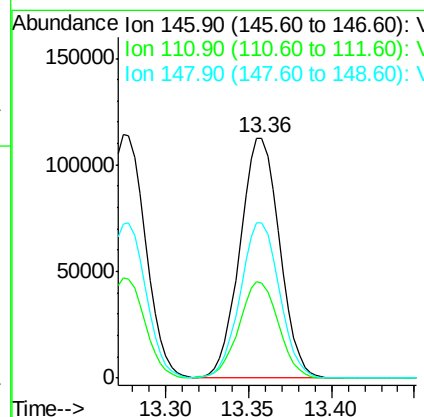
RT: 13.36 min Scan# 3603

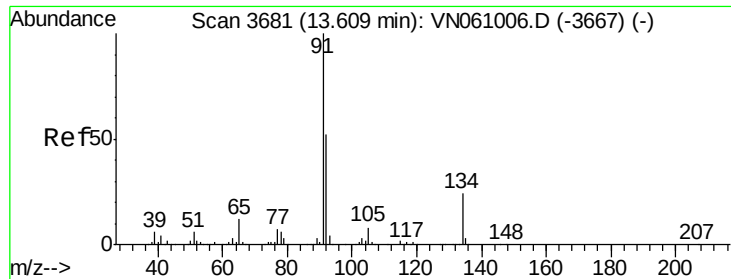
Delta R.T. -0.00 min

Lab File: VN061038.D

Acq: 17 Apr 2020 1:23

Tgt Ion:	146	Resp:	187362
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.1	60.3
148	64.2	32.1	96.3





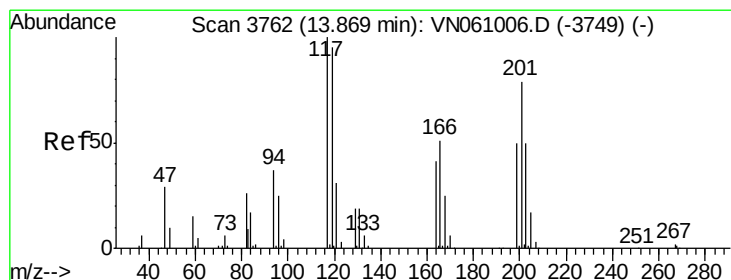
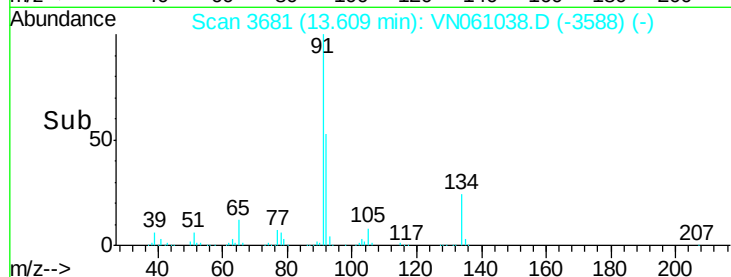
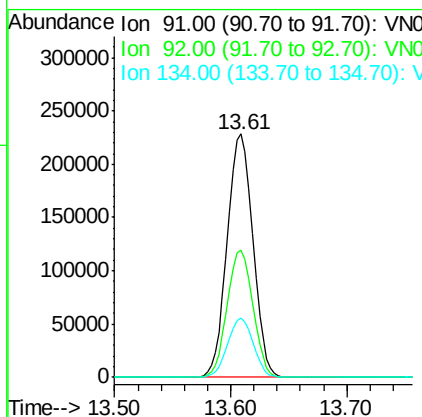
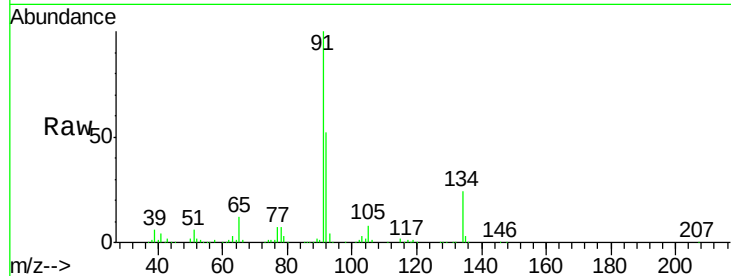
#89
n-Butylbenzene
Concen: 46.039 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	24.1	12.3	36.8

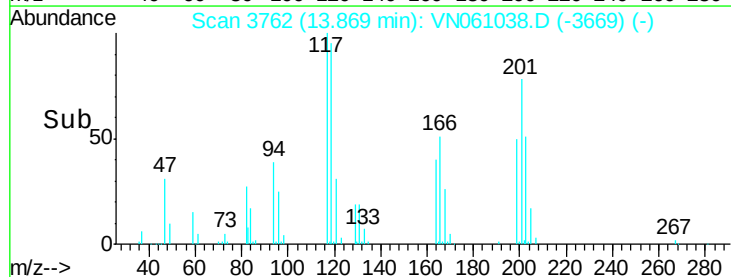
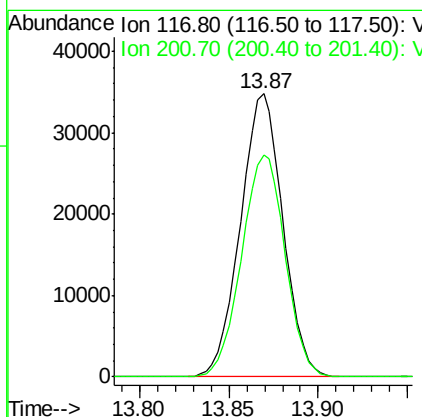
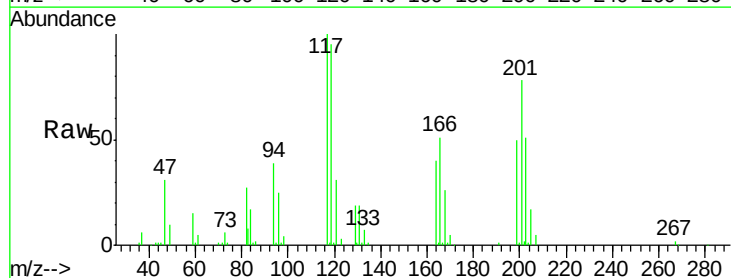
Manual Integrations
APPROVED

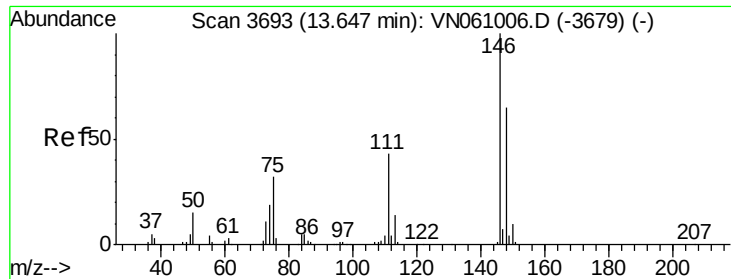
MMDadoda
4/17/2020 11:53:50 AM



#90
Hexachloroethane
Concen: 46.246 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	39.3	117.9





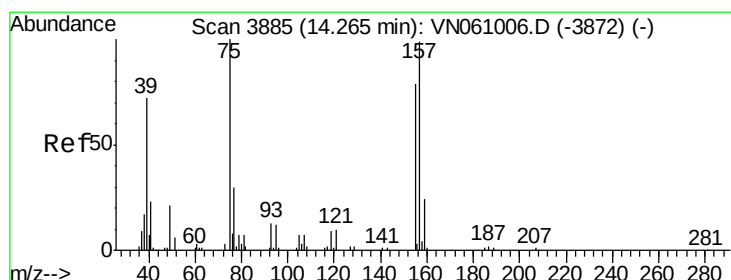
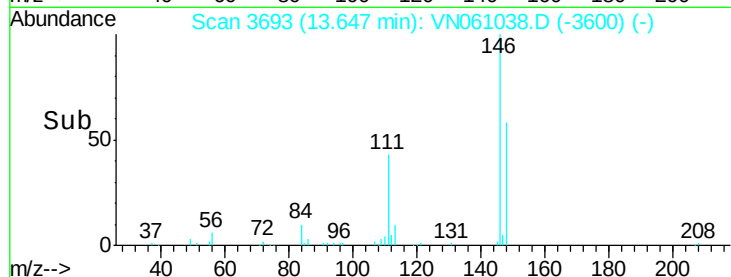
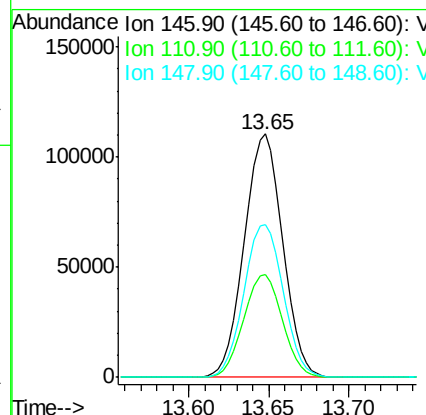
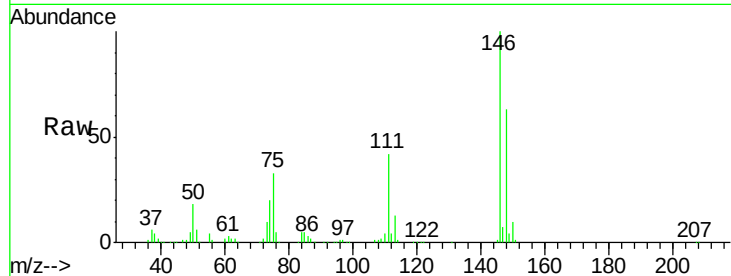
#91
 1,2-Dichlorobenzene
 Concen: 46.878 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	64.0	32.0	96.0

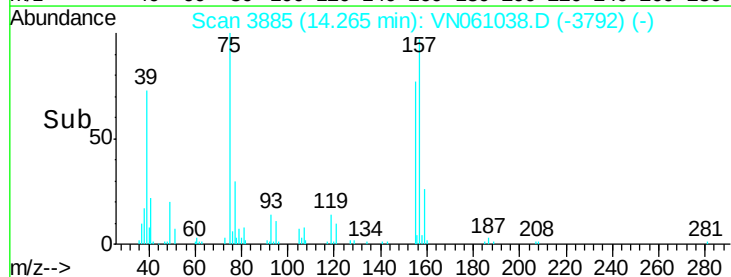
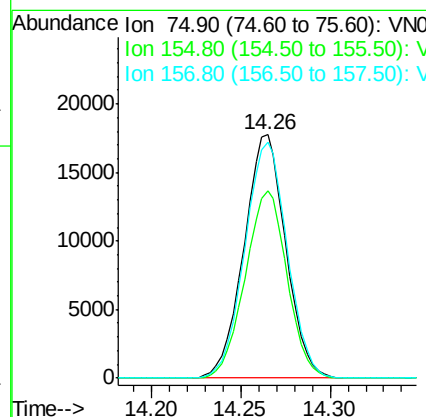
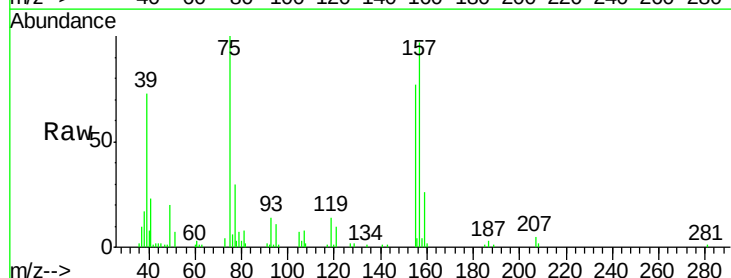
Manual Integrations
 APPROVED

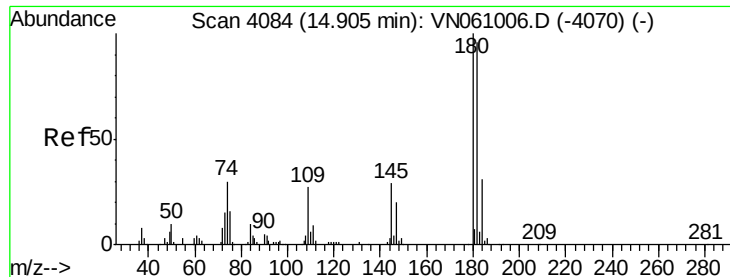
MMDadoda
 4/17/2020 11:53:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.711 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	39.5	118.5
157	98.3	50.1	150.4





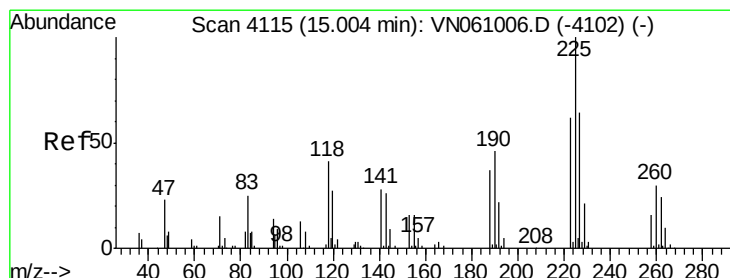
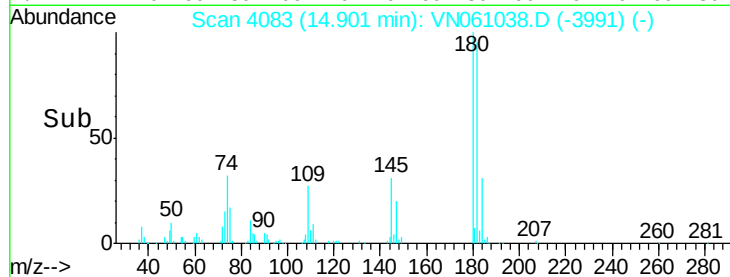
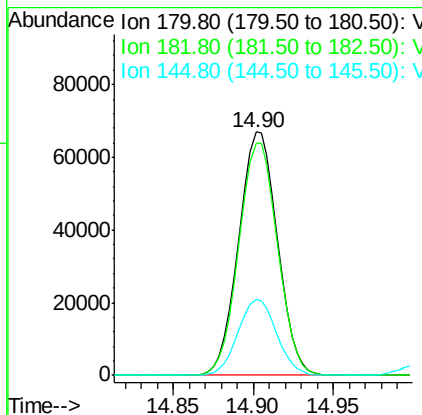
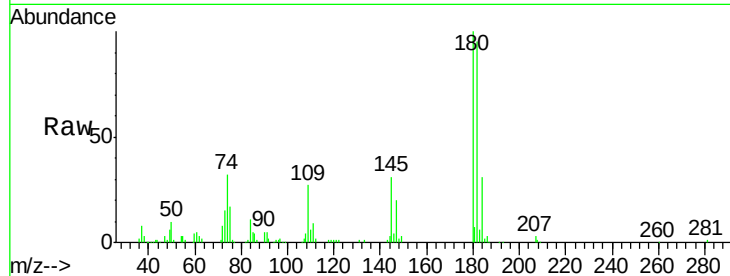
#93
 1,2,4-Trichlorobenzene
 Concen: 48.279 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110415		
182	95.6	47.8	143.3	
145	30.9	15.3	45.8	

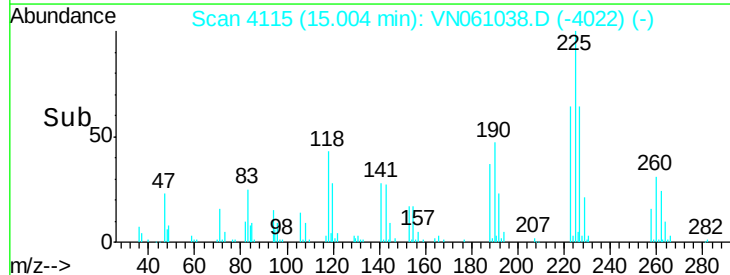
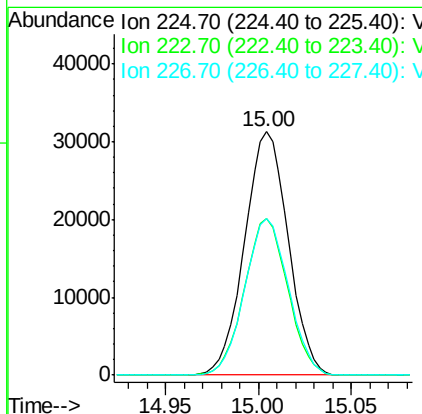
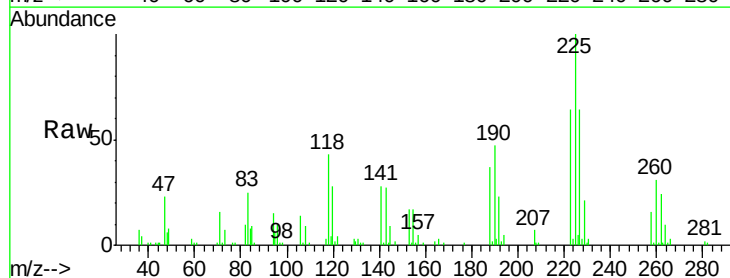
Manual Integrations
 APPROVED

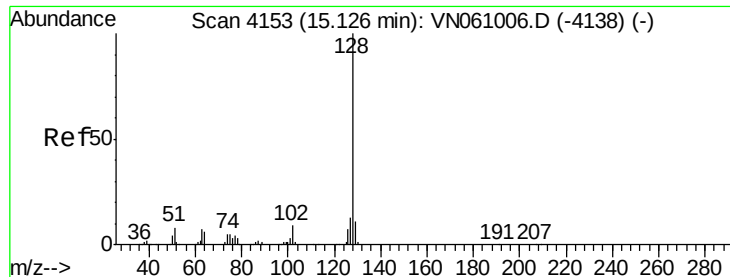
MMDadoda
 4/17/2020 11:53:50 AM



#94
 Hexachlorobutadiene
 Concen: 43.449 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN061038.D
 Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51119		
223	63.6	31.3	93.8	
227	64.2	31.9	95.5	





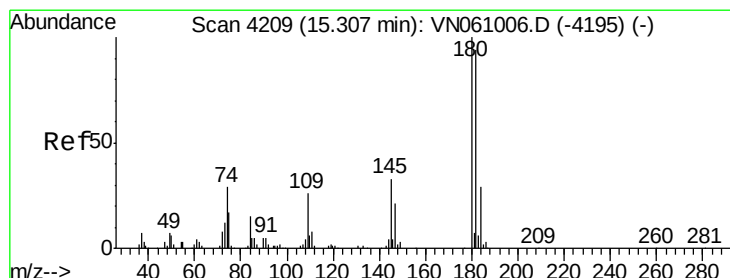
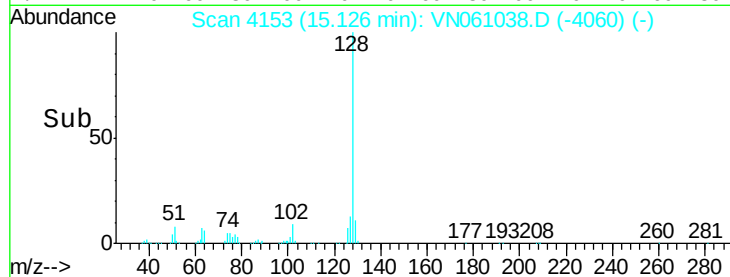
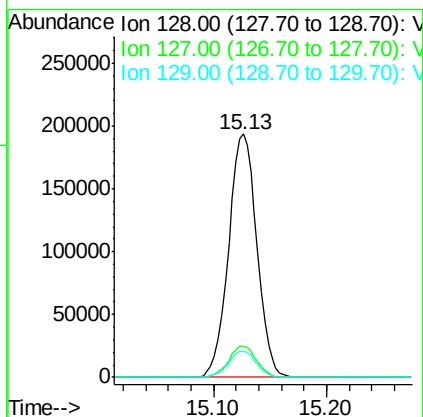
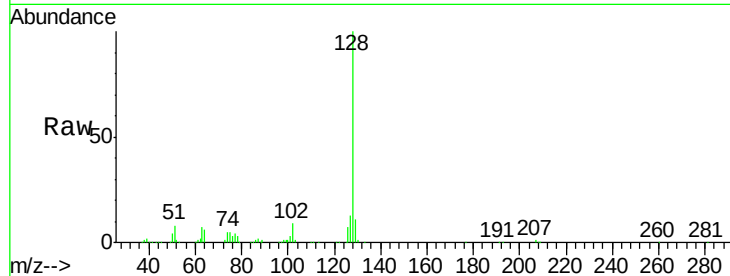
#95
Naphthalene
Concen: 50.312 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.811 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.00 min
Lab File: VN061038.D
Acq: 17 Apr 2020 1:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	32.3	16.4	49.2

