

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061733.D
 Acq On : 10 Jun 2020 12:04
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:34 PM

Quant Time: Jun 10 12:29:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	66676	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	383216	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	362235	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	128603	23.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	76.83%
60) 4-Bromofluorobenzene	12.38	95	165005	27.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.13%
63) Toluene-d8	10.06	98	457794	27.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	443027	148.510	ug/l 99
3) Chloromethane	2.03	50	512186	101.190	ug/l 99
4) Vinyl Chloride	2.16	62	732793	107.821	ug/l 99
5) Bromomethane	2.51	94	461875m	128.071	ug/l
6) Chloroethane	2.66	64	503256	109.418	ug/l 100
7) Trichlorofluoromethane	2.98	101	1005149	130.265	ug/l 98
8) Diethyl Ether	3.37	74	343715	142.417	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	524785	157.344	ug/l 97
10) 1,1-Dichloroethene	3.69	96	545578	156.591	ug/l 96
11) Methyl Iodide	3.91	142	789256	198.468	ug/l 97
12) Methyl Acetate	4.27	43	441270	111.540	ug/l 99
13) Acrolein	3.56	56	261270	399.897	ug/l 97
14) Acrylonitrile	4.93	53	1120010	598.837	ug/l # 92
15) Acetone	3.77	58	296966	635.548	ug/l 93
16) Carbon Disulfide	4.01	76	1111158	118.649	ug/l 98
17) Allyl chloride	4.27	41	579321	89.459	ug/l 97
18) Methylene Chloride	4.50	84	602777	143.733	ug/l 96
19) trans-1,2-Dichloroethene	4.99	96	616659	149.754	ug/l 97
20) Diisopropyl ether	5.90	45	1476105	98.209	ug/l 95
21) 1,1-Dichloroethane	5.80	63	963280	118.924	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	705596	147.794	ug/l 98
23) tert-Butyl Alcohol	4.74	59	438055	717.605	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1734938	128.231	ug/l # 77
25) Chloroform	7.33	83	1080784	134.733	ug/l 98
26) Cyclohexane	7.61	56	797045	105.873	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	798708	125.899	ug/l 100
30) 2-Butanone	6.78	43	1342632	517.037	ug/l 99
31) 2,2-Dichloropropane	6.77	77	888260	119.620	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	975036	134.286	ug/l 99
33) Carbon Tetrachloride	7.73	117	835498	148.449	ug/l 96
34) Benzene	8.00	78	2430916	133.606	ug/l # 90
35) Methacrylonitrile	7.13	41	242418	97.187	ug/l # 80
36) 1,2-Dichloroethane	8.08	62	775251	114.416	ug/l 98
37) Trichloroethene	8.80	130	764607	163.135	ug/l 100
38) Methylcyclohexane	9.05	83	927228	122.884	ug/l 99
39) 1,2-Dichloropropane	9.08	63	574974	118.148	ug/l 98
40) Dibromomethane	9.17	93	434162	138.800	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061733.D
 Acq On : 10 Jun 2020 12:04
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:34 PM

Quant Time: Jun 10 12:29:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	881928	132.049	ug/l	98
42) Vinyl Acetate	5.84	43	5570724	457.482	ug/l	99
43) Ethyl Acetate	6.88	43	571128	106.396	ug/l	99
44) Isopropyl Acetate	8.13	43	1024349	96.786	ug/l	100
45) 1,4-Dioxane	9.17	88	211414	4298.764	ug/l	96
46) Methyl methacrylate	9.17	41	454736	92.492	ug/l	99
47) n-amyl Acetate	12.05	43	931840	99.691	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	967434	125.657	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	1030703	125.211	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	623302	143.515	ug/l	98
51) Ethyl methacrylate	10.40	69	901773	126.785	ug/l	98
52) 1,3-Dichloropropane	10.68	76	1009242	131.221	ug/l	99
53) Dibromochloromethane	10.88	129	758223	157.324	ug/l	100
54) 1,2-Dibromoethane	10.98	107	672205	149.618	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1816338	591.332	ug/l	100
56) Bromoform	12.10	173	560180	181.816	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	2890743	484.954	ug/l	99
59) 2-Hexanone	10.72	43	2124480	503.049	ug/l	99
61) Tetrachloroethene	10.60	164	857126	182.886	ug/l	95
62) Toluene	10.12	91	2699206	132.866	ug/l	96
64) Chlorobenzene	11.41	112	1756835	144.285	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	675582	150.975	ug/l	99
66) Ethyl Benzene	11.48	91	2999044	129.983	ug/l	95
67) m/p-Xylenes	11.60	106	2447101	283.281	ug/l	90
68) o-Xylene	11.92	106	1176081	143.130	ug/l	99
69) Styrene	11.94	104	2042209	144.790	ug/l	100
70) Isopropylbenzene	12.22	105	3010340	135.572	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	759522	125.305	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	752710m	131.445	ug/l	
73) Bromobenzene	12.50	156	829944	171.639	ug/l	98
74) n-propylbenzene	12.57	91	3337371	127.337	ug/l	97
75) 2-Chlorotoluene	12.65	91	2017795	134.311	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	2548501	136.981	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	306469	129.593	ug/l	94
78) 4-Chlorotoluene	12.75	91	2134064	135.358	ug/l	99
79) tert-butylbenzene	12.97	119	2201960	142.131	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	2558128	137.146	ug/l	99
81) sec-Butylbenzene	13.15	105	2821834	133.122	ug/l	98
82) p-Isopropyltoluene	13.26	119	2656094	138.502	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	1462961	163.717	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	1461738	166.197	ug/l	98
85) n-Butylbenzene	13.59	91	2230247	128.076	ug/l	98
86) Hexachloroethane	13.85	117	375794	142.007	ug/l	93
87) 1,2-Dichlorobenzene	13.63	146	1356609	160.304	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	152465	121.632	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	886157	183.842	ug/l	99
90) Hexachlorobutadiene	14.98	225	354281	175.499	ug/l	98
91) Naphthalene	15.10	128	2480926	167.010	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	854127	180.942	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
Data File : VN061733.D
Acq On : 10 Jun 2020 12:04
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

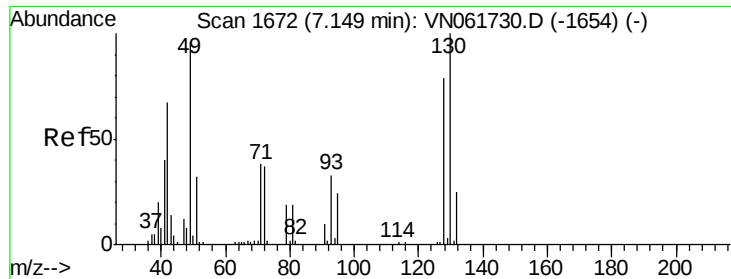
Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM

Quant Time: Jun 10 12:29:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 10 11:59:42 2020
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 66676

Ion Ratio Lower Upper

128 100

49 131.1 0.0 312.3

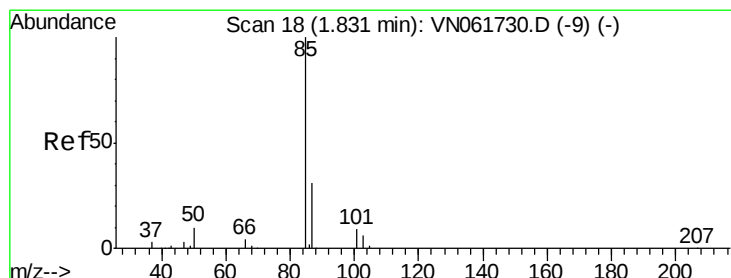
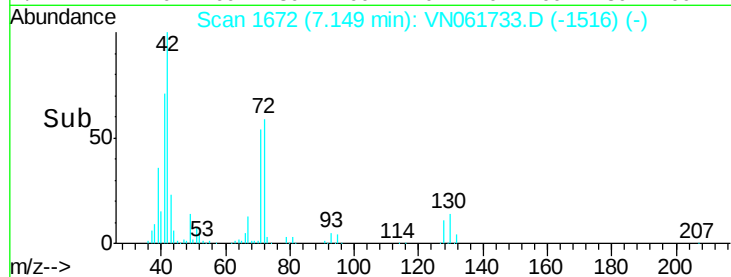
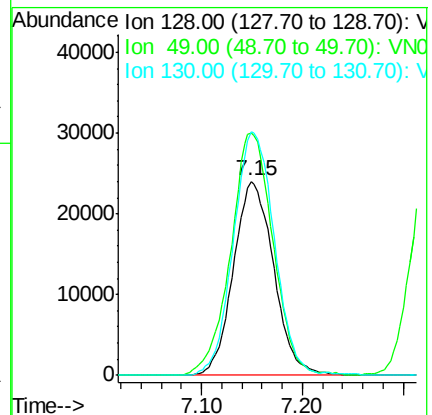
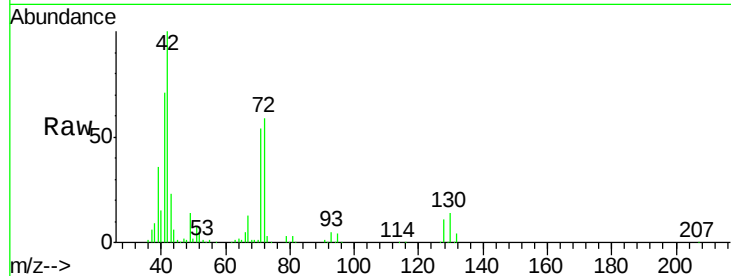
130 127.4 0.0 328.7

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:44:34 PM



#2

Dichlorodifluoromethane

Concen: 148.510 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061733.D

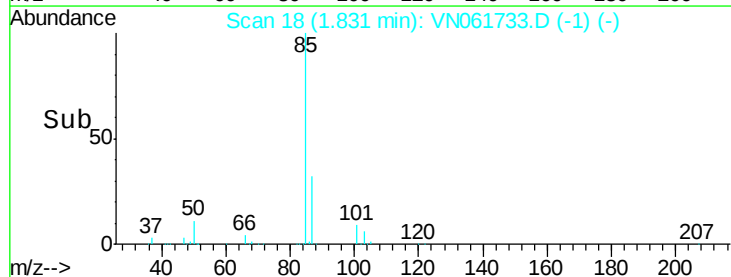
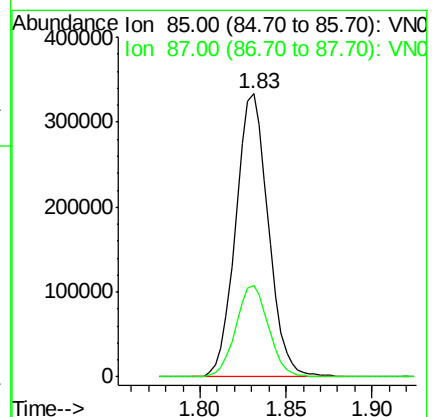
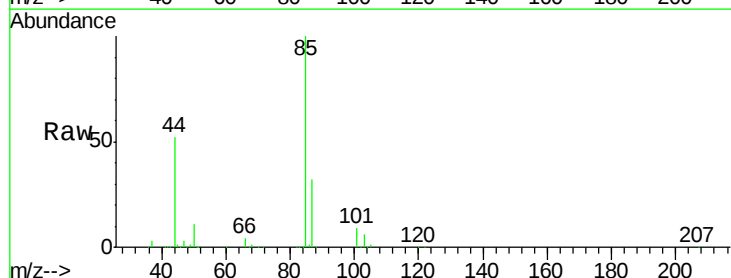
Acq: 10 Jun 2020 12:04

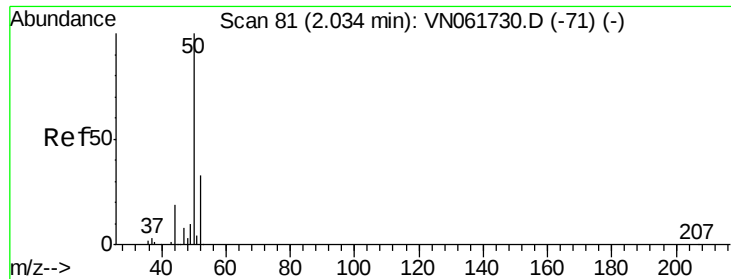
Tgt Ion: 85 Resp: 443027

Ion Ratio Lower Upper

85 100

87 32.2 15.7 47.1





#3

Chloromethane

Concen: 101.190 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 512186

Ion Ratio Lower Upper

50 100

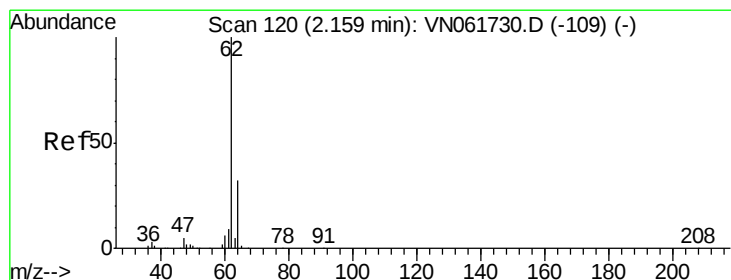
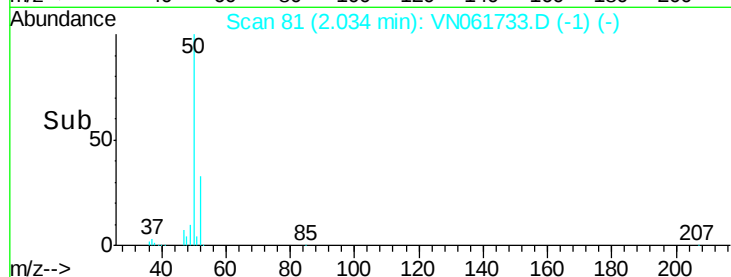
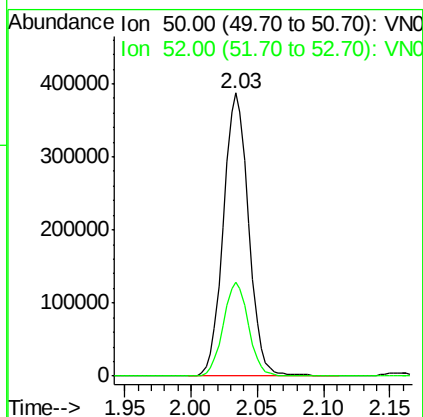
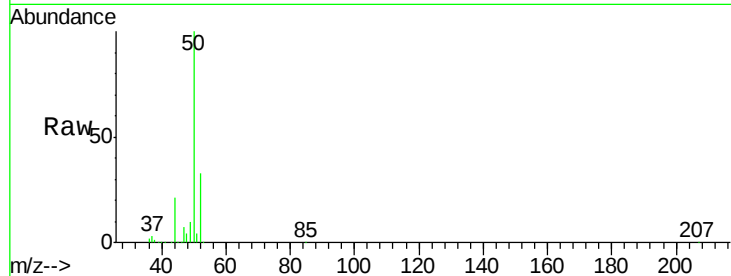
52 33.1 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:44:34 PM



#4

Vinyl Chloride

Concen: 107.821 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061733.D

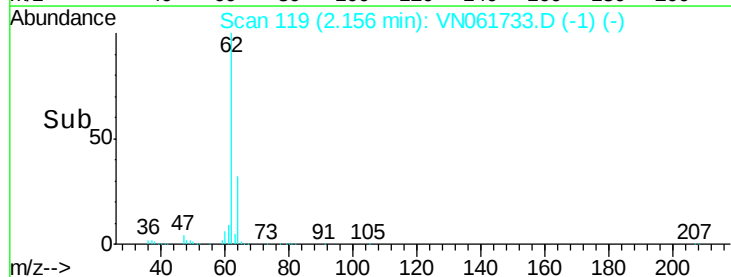
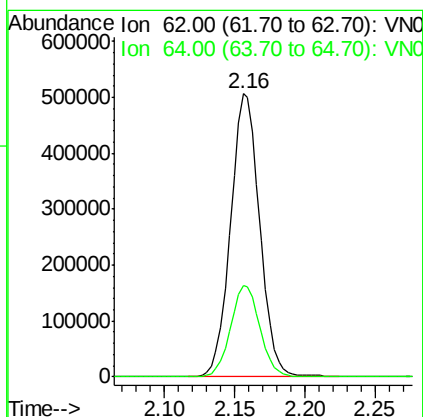
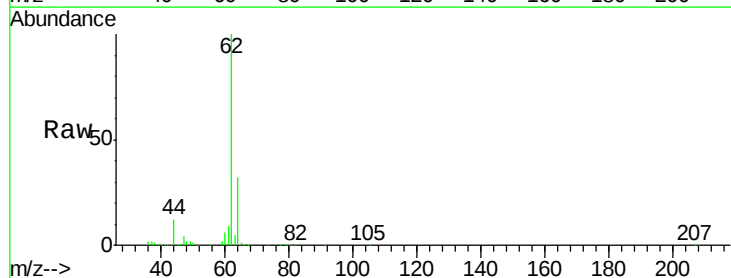
Acq: 10 Jun 2020 12:04

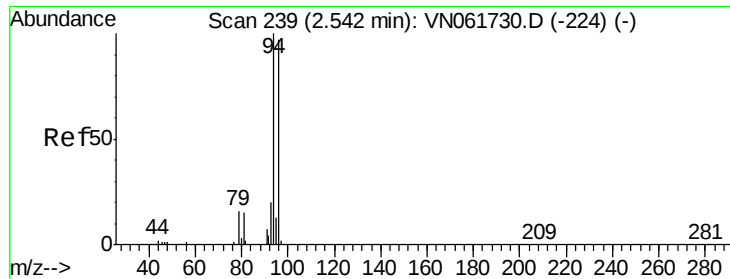
Tgt Ion: 62 Resp: 732793

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 128.071 ug/l m

RT: 2.51 min Scan# 228

Delta R.T. -0.04 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 461875

Ion Ratio Lower Upper

94 100

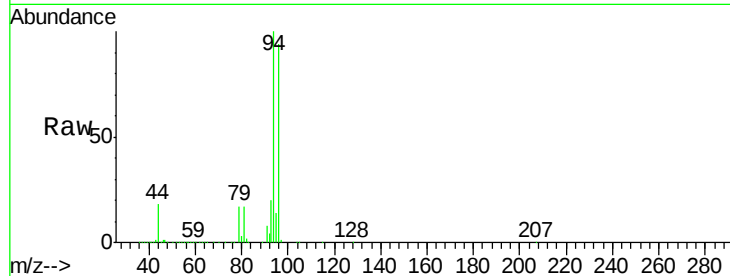
96 94.4 77.4 116.2

Manual Integrations

APPROVED

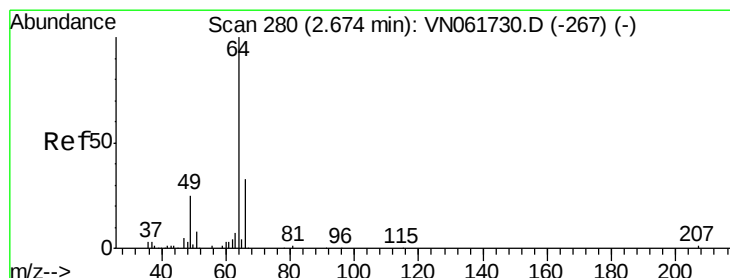
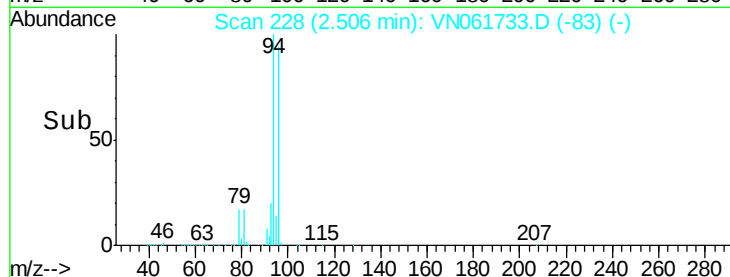
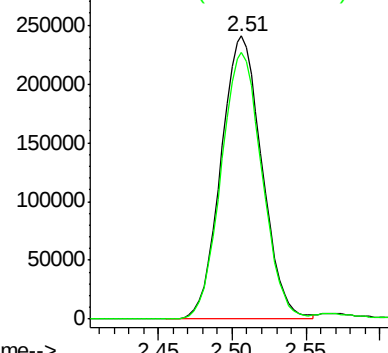
MMDadoda

6/11/2020 12:44:34 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 109.418 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.02 min

Lab File: VN061733.D

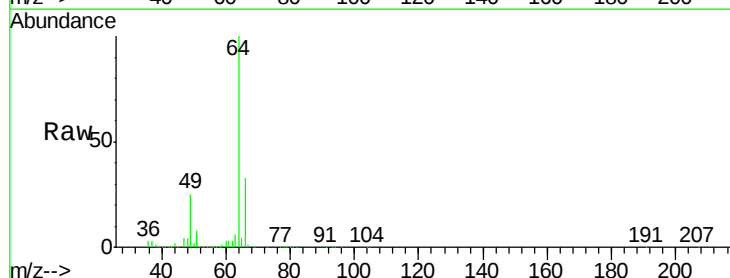
Acq: 10 Jun 2020 12:04

Tgt Ion: 64 Resp: 503256

Ion Ratio Lower Upper

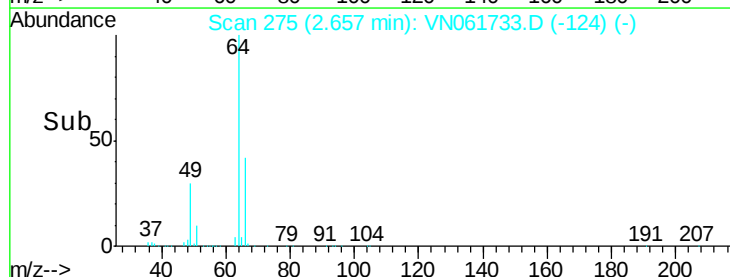
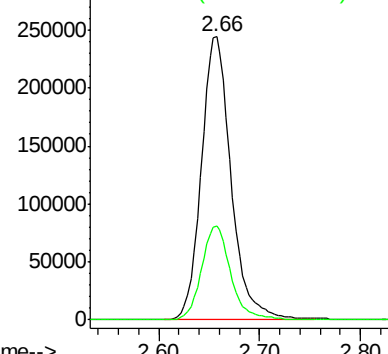
64 100

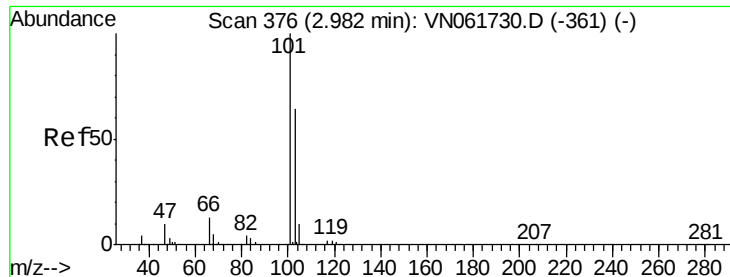
66 33.2 26.6 39.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

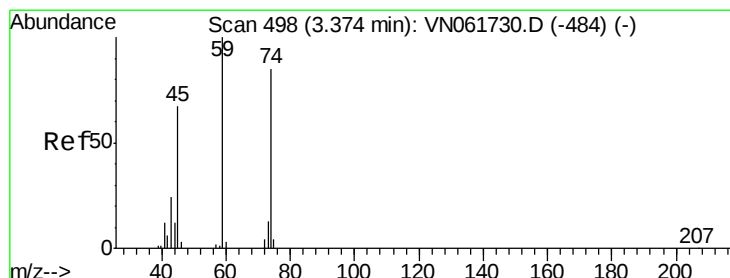
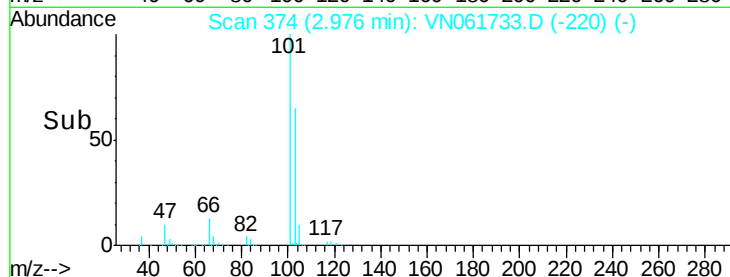
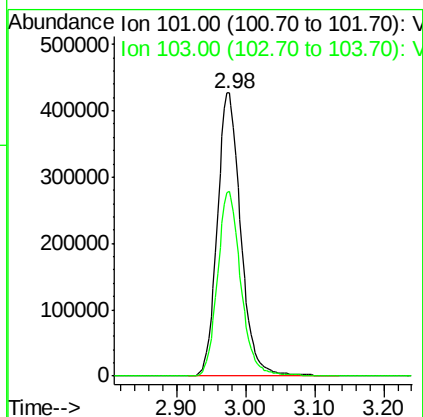
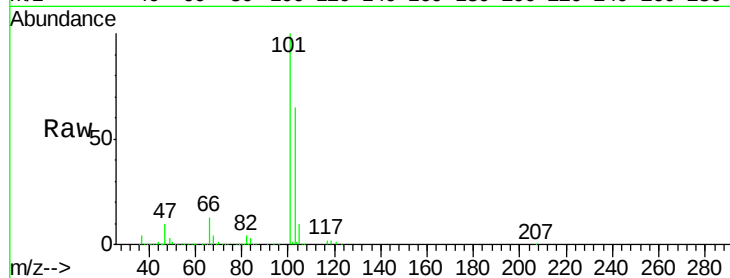
Trichlorofluoromethane
Concen: 130.265 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.01 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1005149
Ion Ratio Lower Upper
101 100
103 65.4 51.1 76.7

Manual Integrations
APPROVED

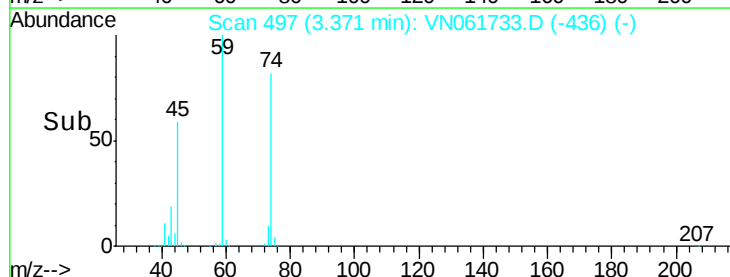
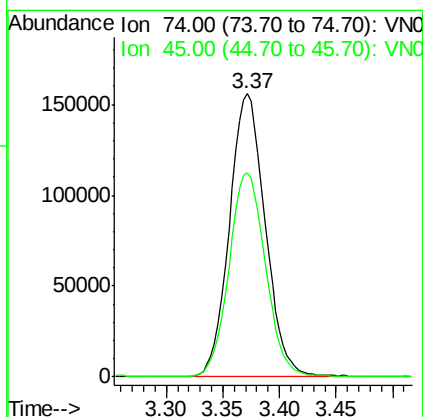
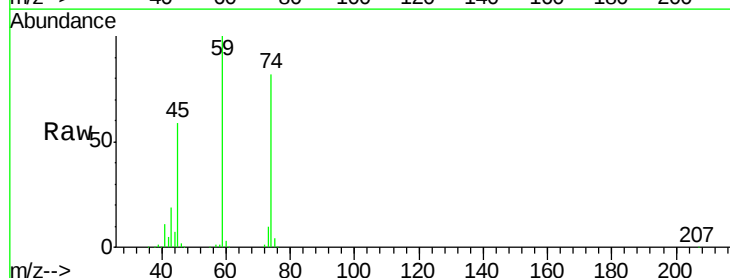
MMDadoda
6/11/2020 12:44:34 PM

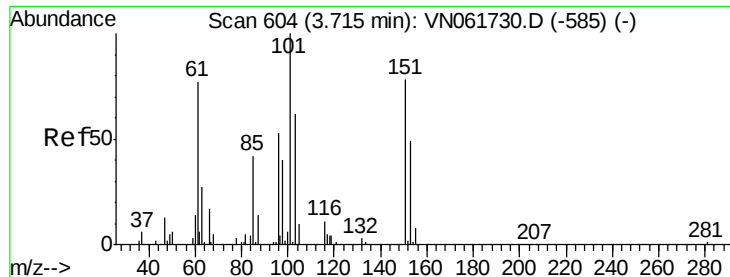


#8

Diethyl Ether
Concen: 142.417 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 74 Resp: 343715
Ion Ratio Lower Upper
74 100
45 73.4 15.4 138.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 157.344 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

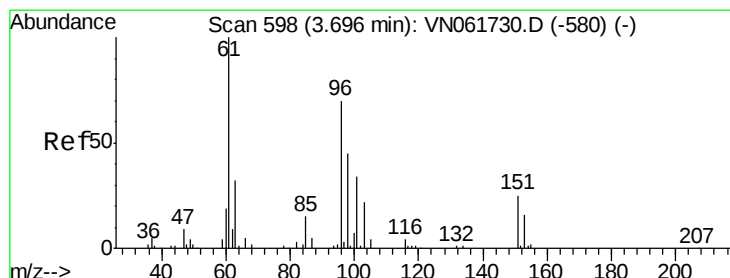
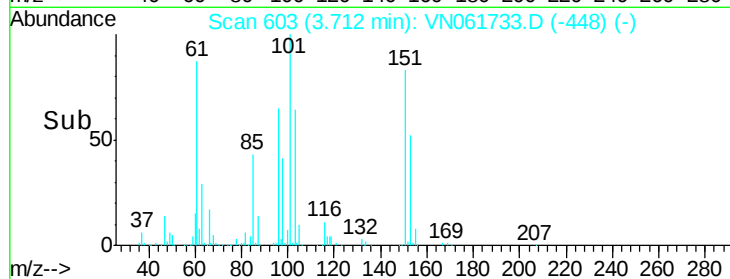
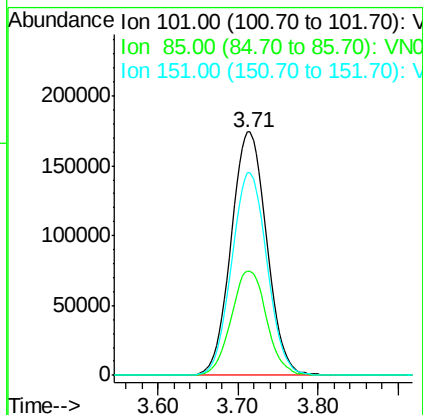
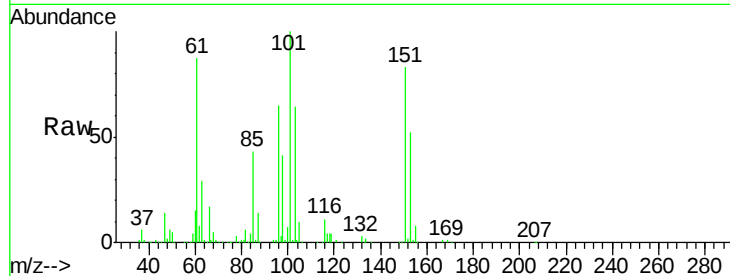
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	524785
Ion Ratio	Lower	Upper	
101	100		
85	42.7	0.0	84.8
151	82.9	0.0	159.0

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM



#10

1,1-Dichloroethene

Concen: 156.591 ug/l

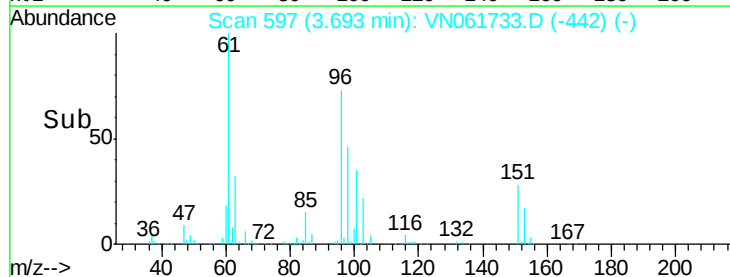
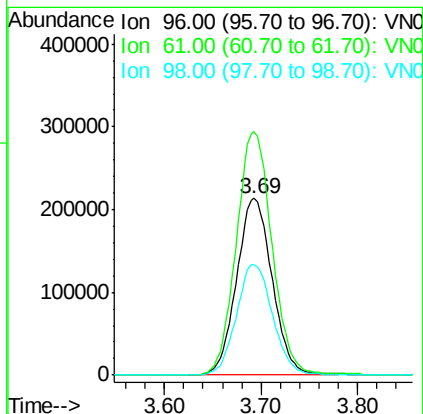
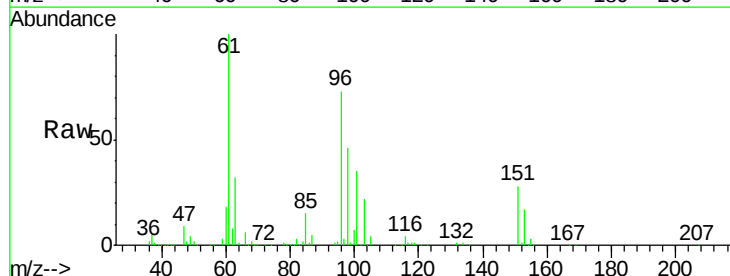
RT: 3.69 min Scan# 597

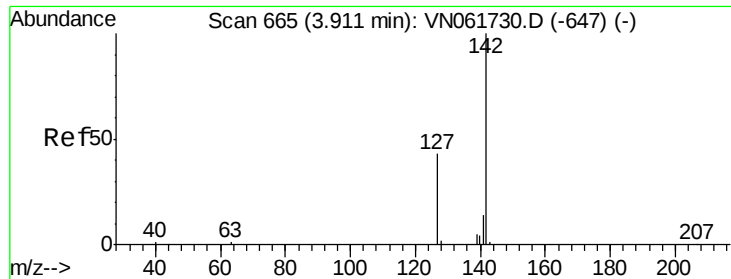
Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Tgt Ion:	96	Resp:	545578
Ion Ratio	Lower	Upper	
96	100		
61	137.6	114.9	172.3
98	62.8	52.2	78.2





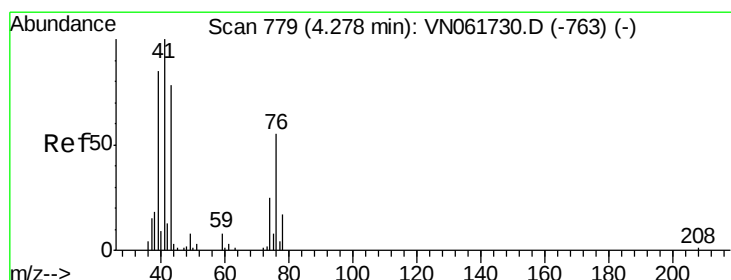
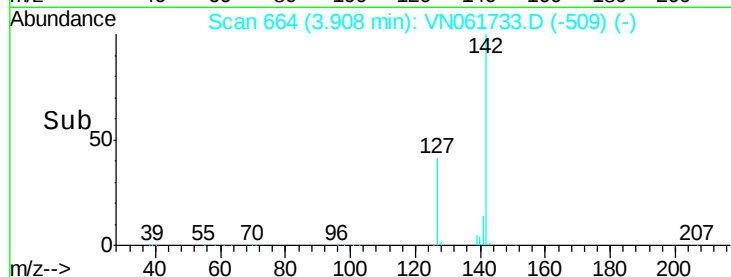
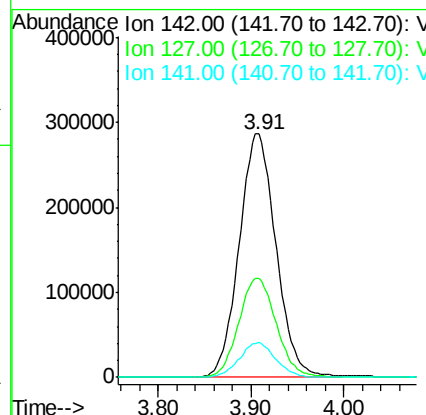
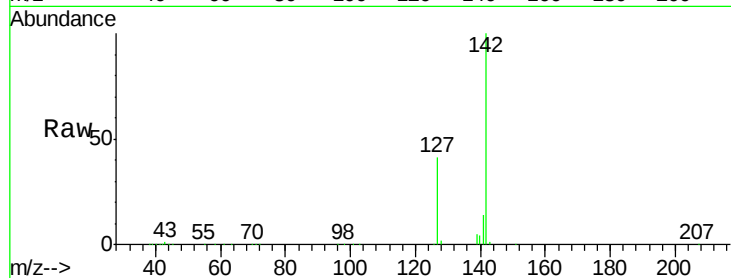
#11
Methyl Iodide
Concen: 198.468 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.7	21.6	64.6
141	14.3	7.2	21.6

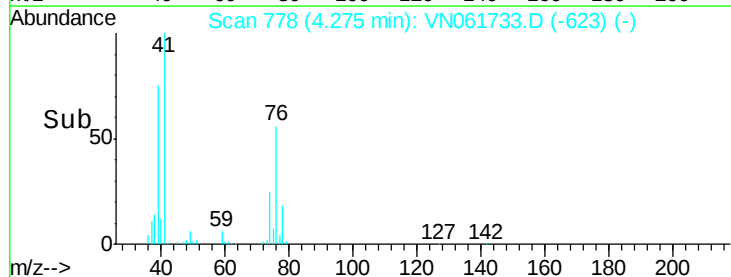
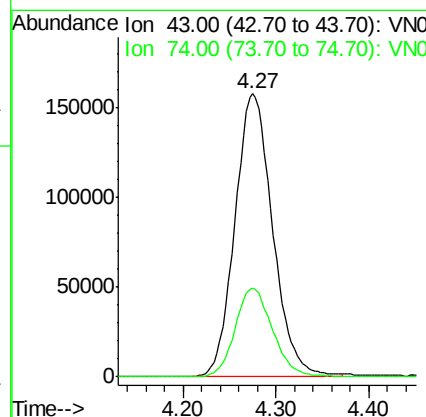
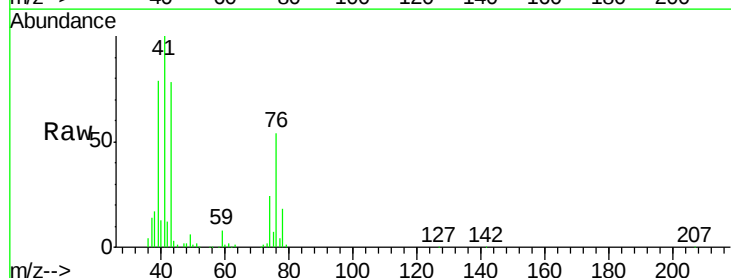
Manual Integrations
APPROVED

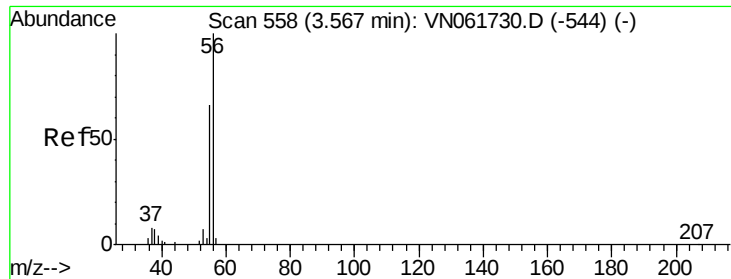
MMDadoda
6/11/2020 12:44:34 PM



#12
Methyl Acetate
Concen: 111.540 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.4	25.8	38.6





#13

Acrolein

Concen: 399.897 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 261270

Ion Ratio Lower Upper

56 100

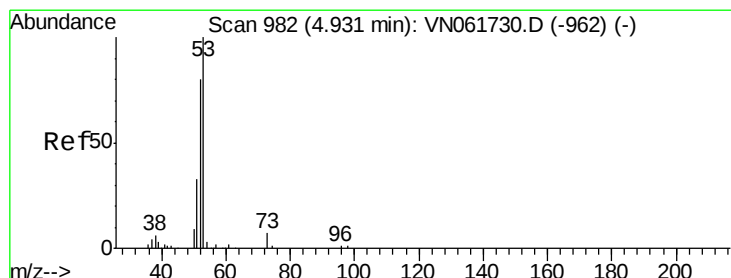
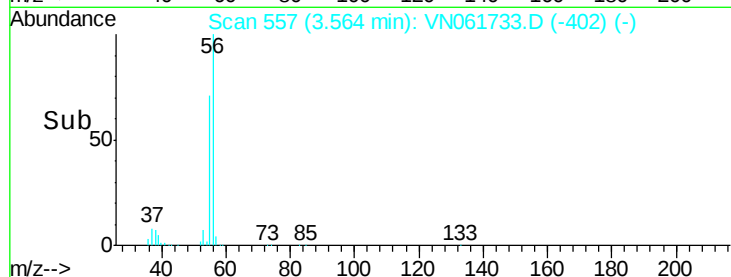
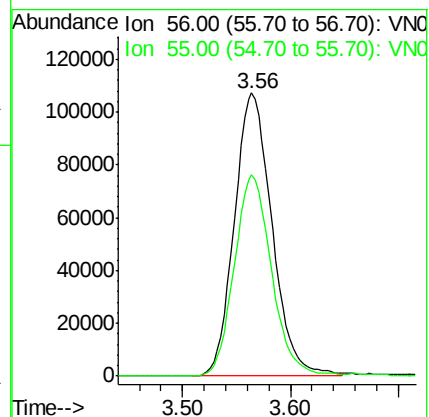
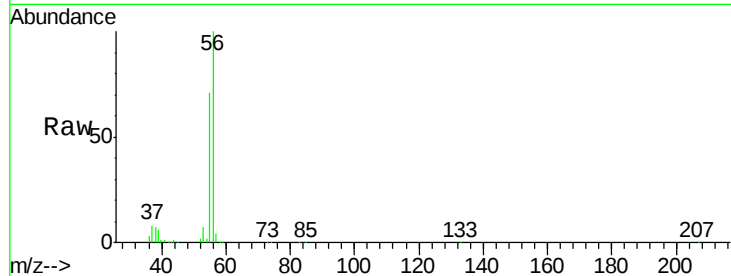
55 69.8 53.9 80.9

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:44:34 PM



#14

Acrylonitrile

Concen: 598.837 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

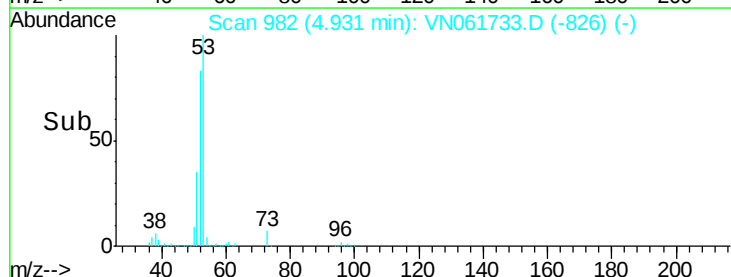
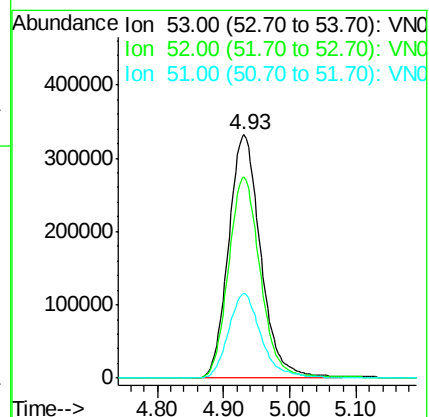
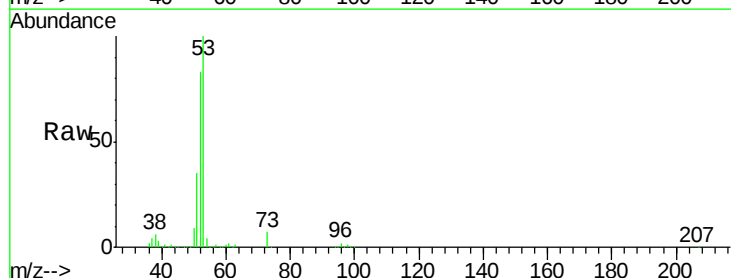
Tgt Ion: 53 Resp: 1120010

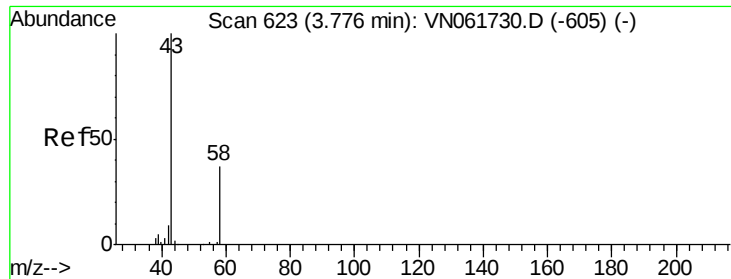
Ion Ratio Lower Upper

53 100

52 81.7 41.3 123.7

51 35.4 8.0 23.8#





#15

Acetone

Concen: 635.548 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 296966

Ion Ratio Lower Upper

58 100

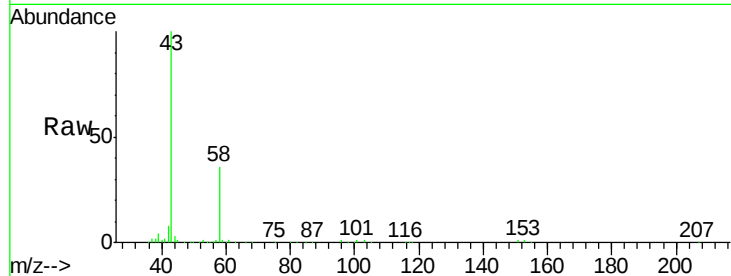
43 279.7 213.7 320.5

Manual Integrations

APPROVED

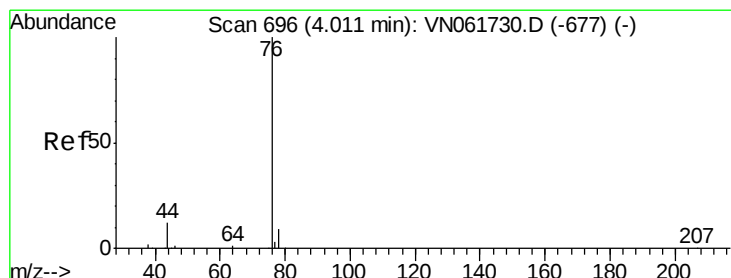
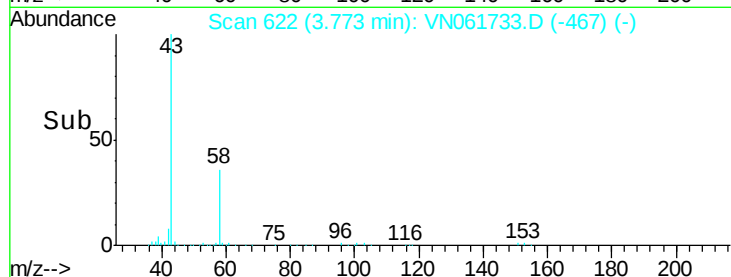
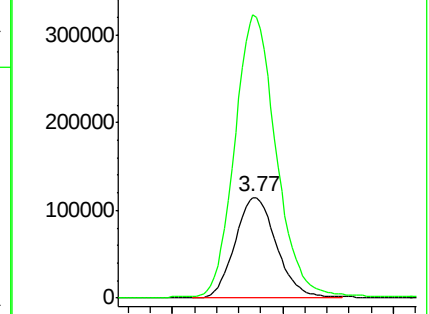
MMDadoda

6/11/2020 12:44:34 PM



Abundance Ion 58.00 (57.70 to 58.70): VN061733.D (-605) (-)

Ion 43.00 (42.70 to 43.70): VN061733.D (-605) (-)



#16

Carbon Disulfide

Concen: 118.649 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061733.D

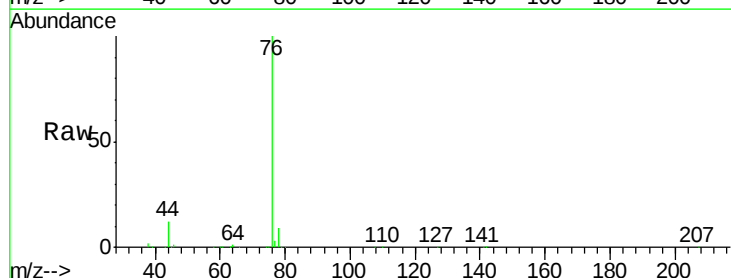
Acq: 10 Jun 2020 12:04

Tgt Ion: 76 Resp: 1111158

Ion Ratio Lower Upper

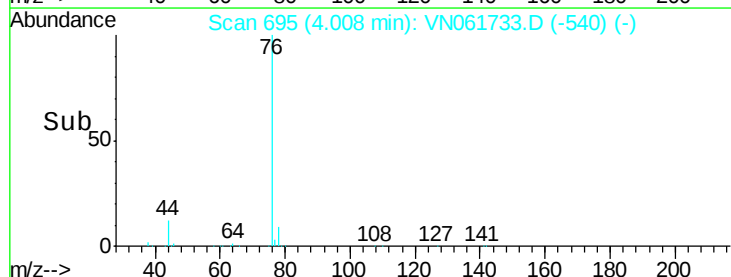
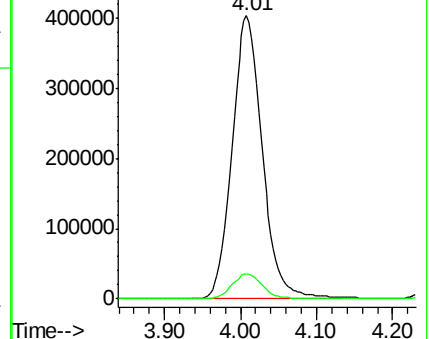
76 100

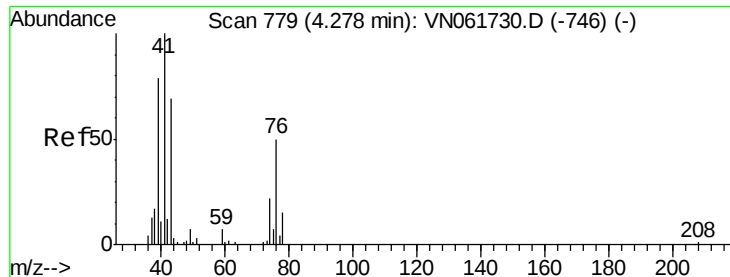
78 8.8 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN061733.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN061733.D (-677) (-)





#17

Allvl chloride

Concen: 89.459 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

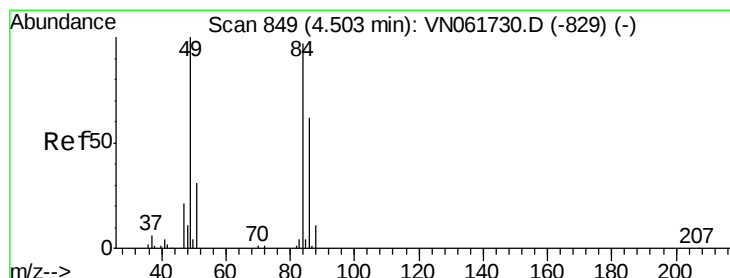
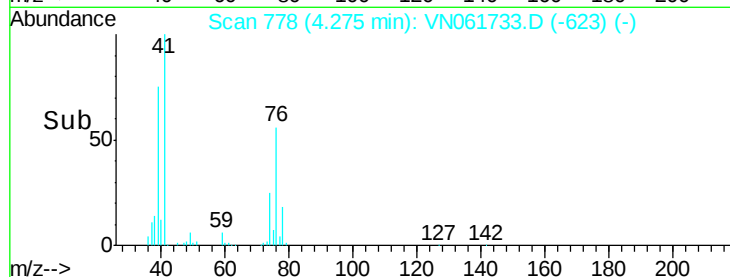
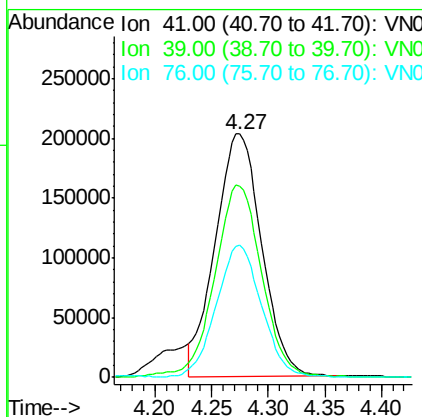
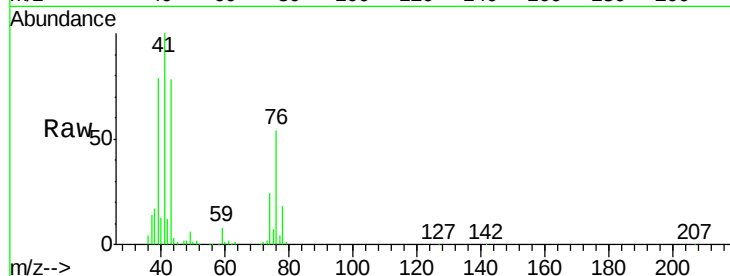
ClientSampleId :

VSTDIC150

Tot Ion:	41	Resp:	579321
Ion	Ratio	Lower	Upper
41	100		
39	78.7	39.5	118.5
76	54.4	24.9	74.7

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM



#18

Methylene Chloride

Concen: 143.733 ug/l

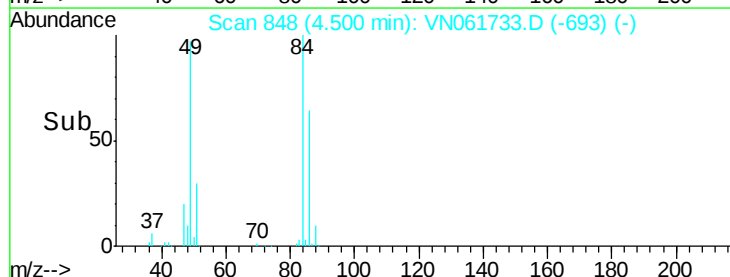
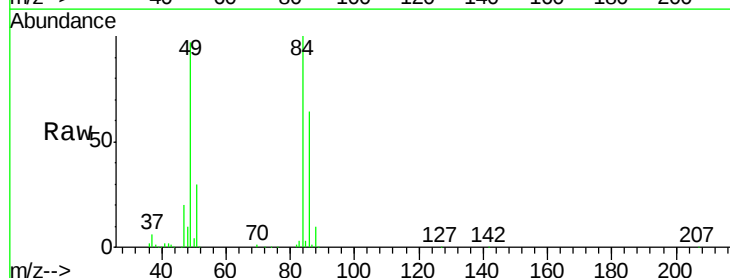
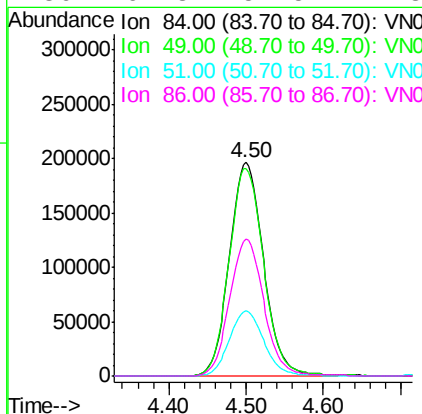
RT: 4.50 min Scan# 848

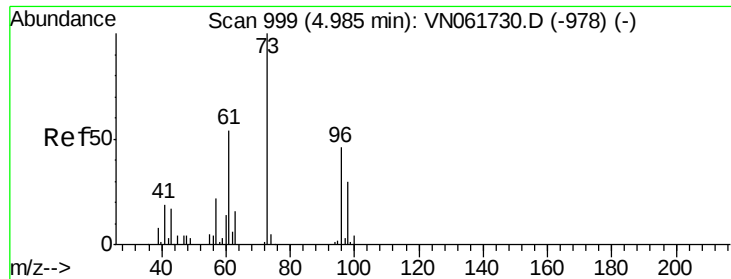
Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Tgt Ion:	84	Resp:	602777
Ion	Ratio	Lower	Upper
84	100		
49	97.2	82.6	124.0
51	30.3	25.4	38.0
86	64.3	51.5	77.3





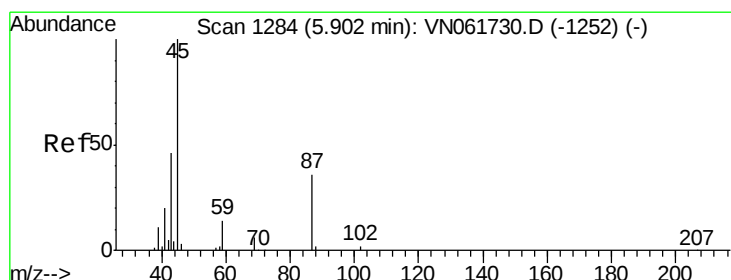
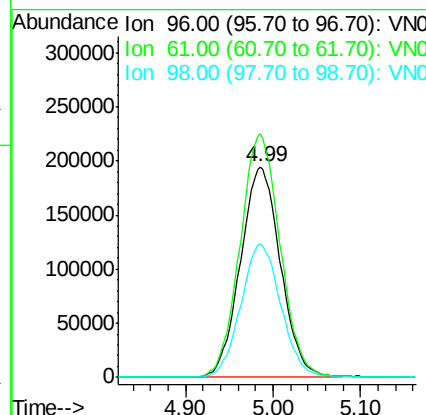
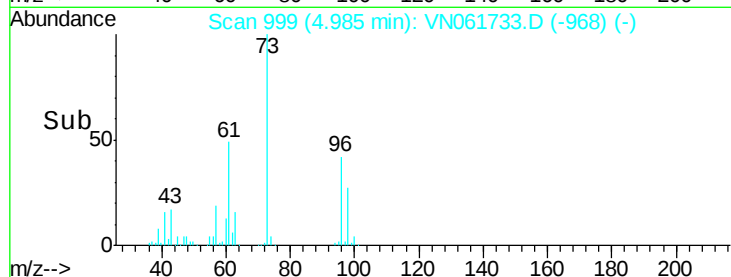
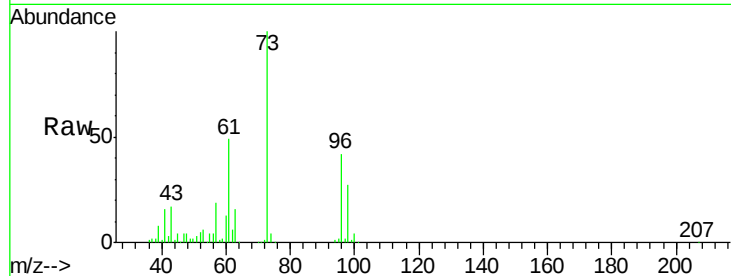
#19
trans-1,2-Dichloroethene
Concen: 149.754 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	115.6	95.4	143.0
98	63.5	52.6	79.0

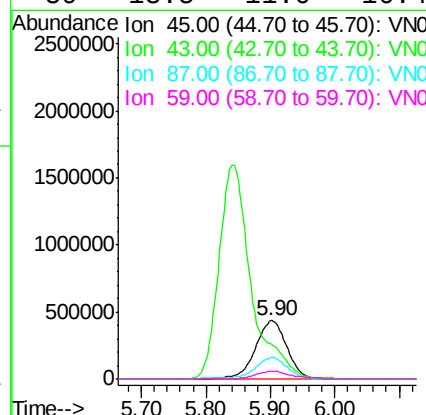
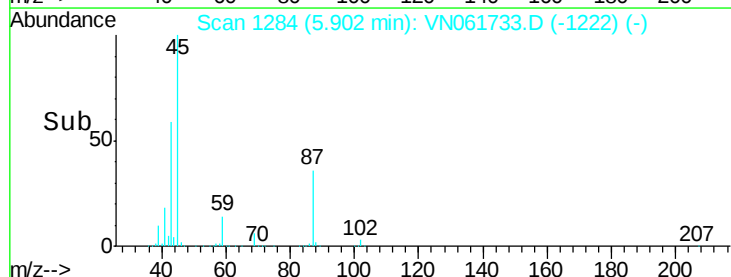
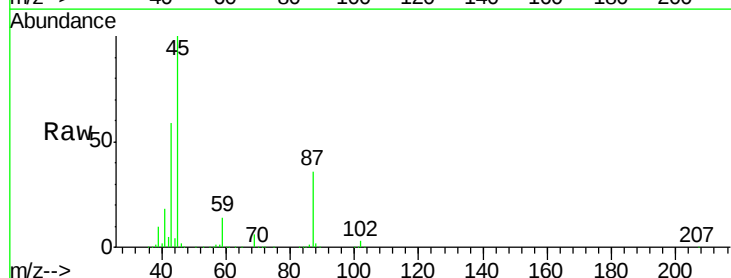
Manual Integrations
APPROVED

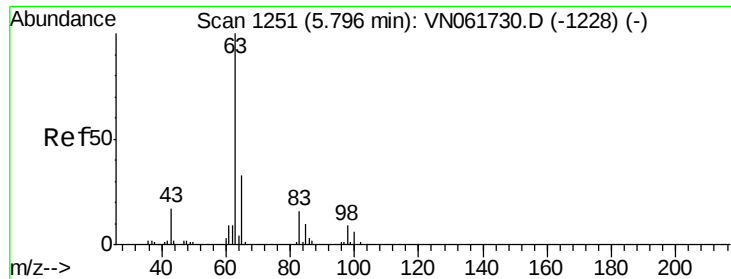
MMDadoda
6/11/2020 12:44:34 PM



#20
Diisopropyl ether
Concen: 98.209 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	50.7	76.1
87	36.3	30.1	45.1
59	13.5	11.0	16.4





#21

1,1-Dichloroethane

Concen: 118.924 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

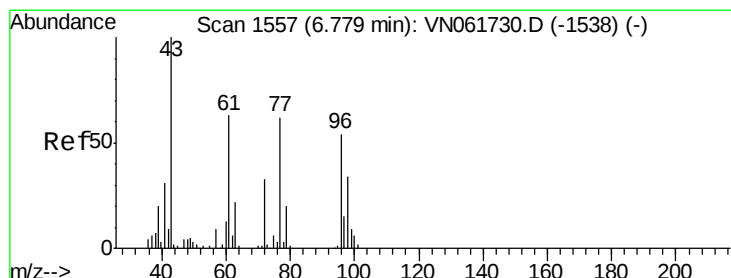
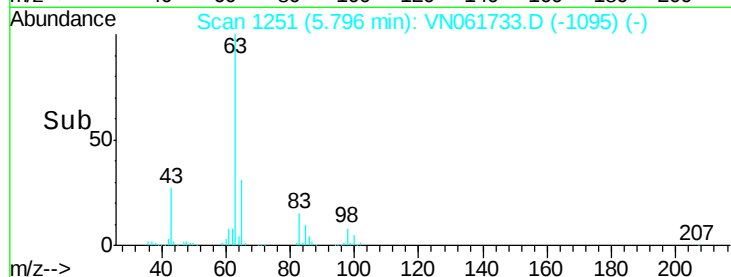
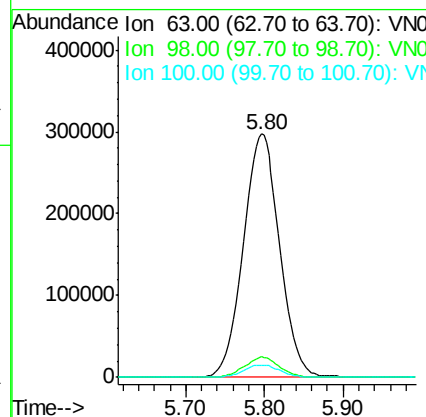
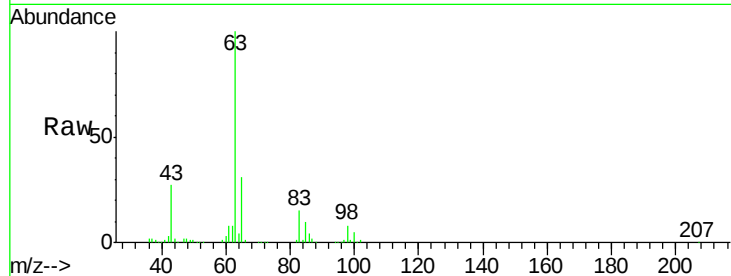
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	963280
Ion Ratio	Lower	Upper	
63	100		
98	8.3	4.5	13.7
100	5.1	2.9	8.7

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM



#22

cis-1,2-Dichloroethene

Concen: 147.794 ug/l

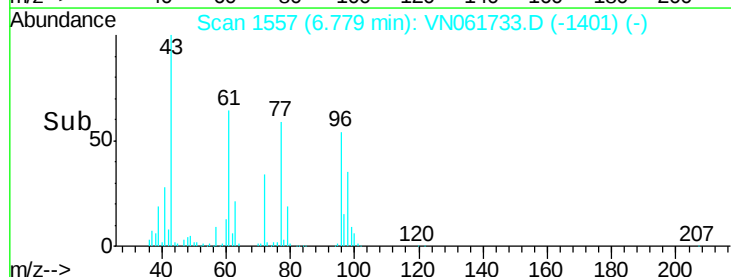
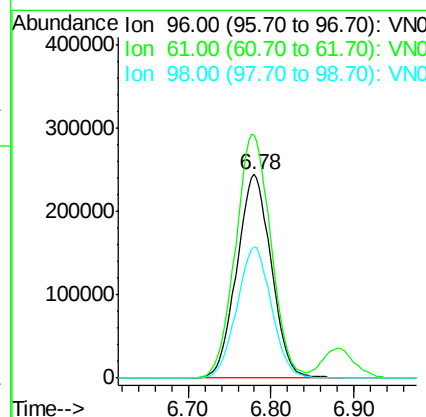
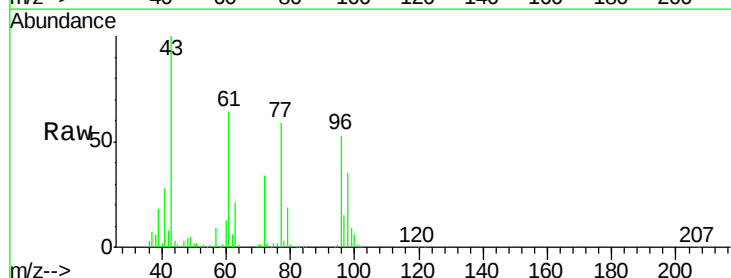
RT: 6.78 min Scan# 1557

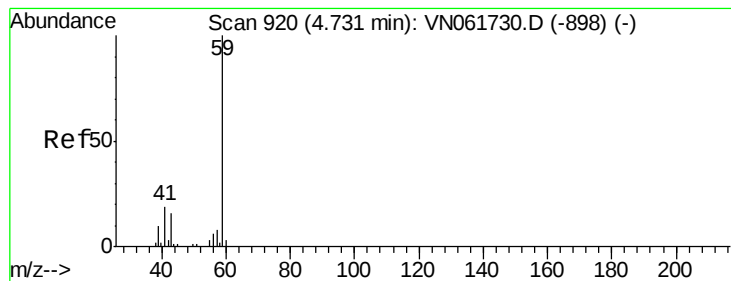
Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Tgt Ion:	96	Resp:	705596
Ion Ratio	Lower	Upper	
96	100		
61	122.7	100.6	151.0
98	64.8	52.6	79.0





#23

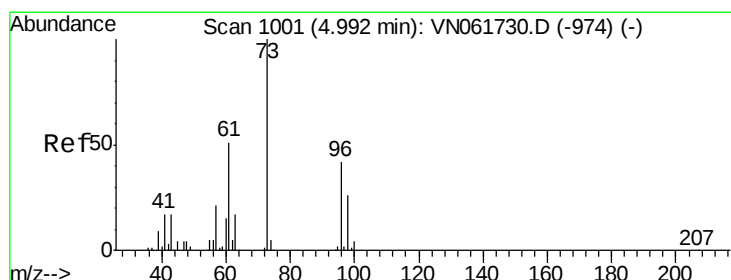
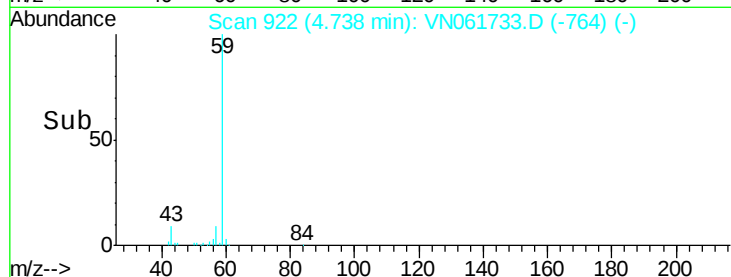
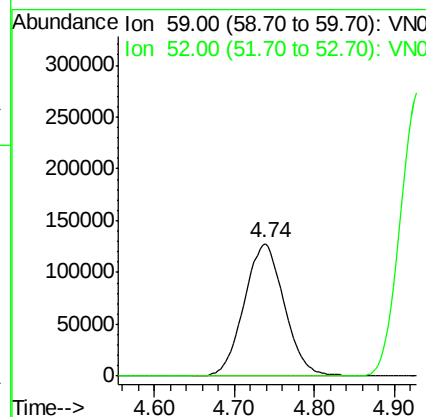
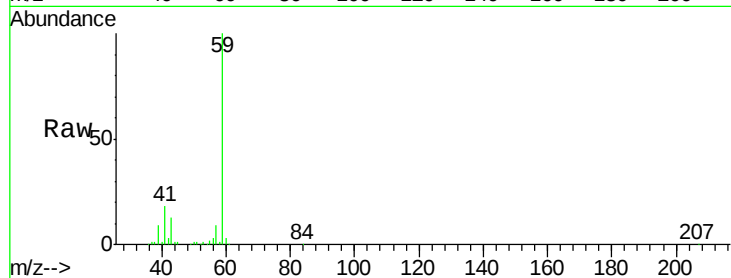
tert-Butyl Alcohol
Concen: 717.605 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
APPROVED

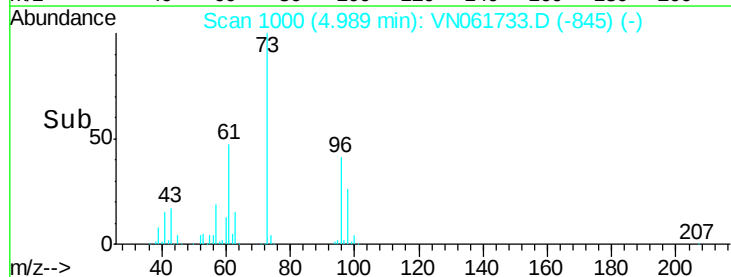
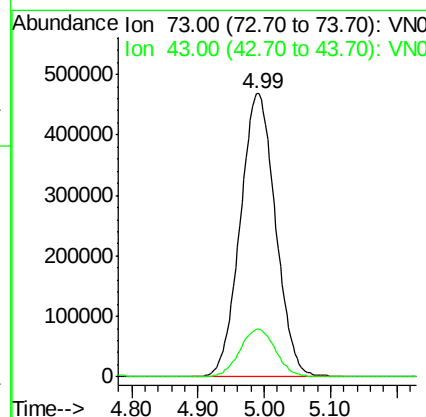
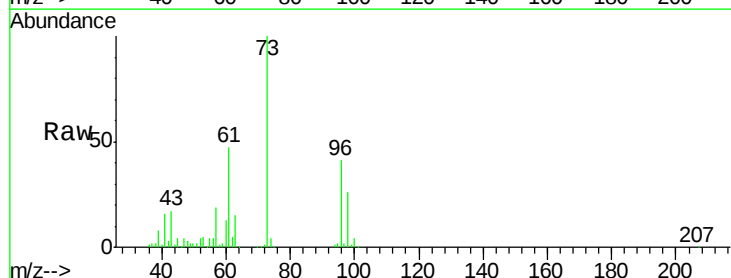
MMDadoda
6/11/2020 12:44:34 PM

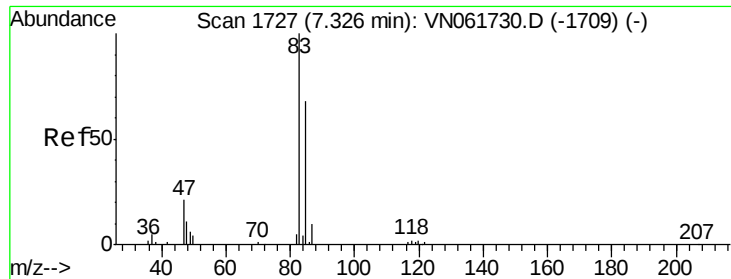


#24

Methyl tert-Butyl Ether
Concen: 128.231 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.0	7.0	10.4#





#25

Chloroform

Concen: 134.733 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1080784

Ion Ratio Lower Upper

83 100

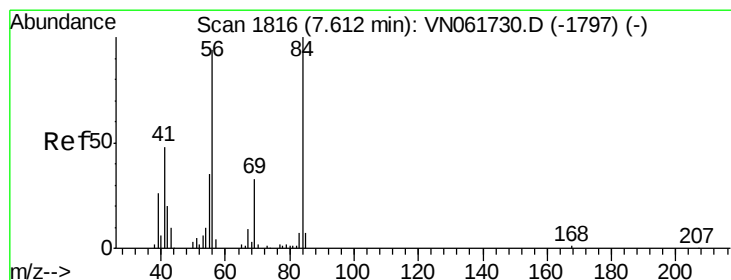
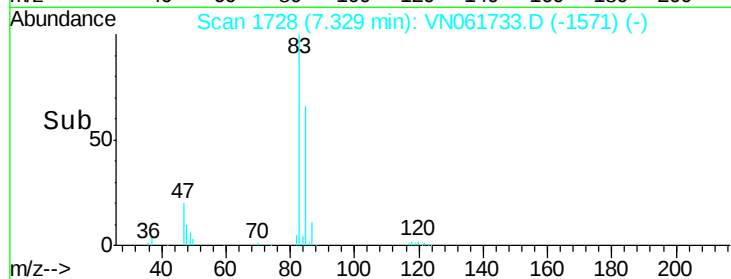
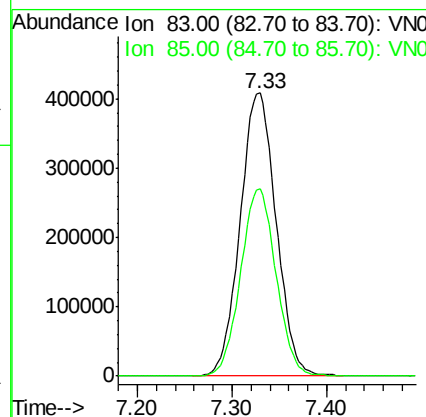
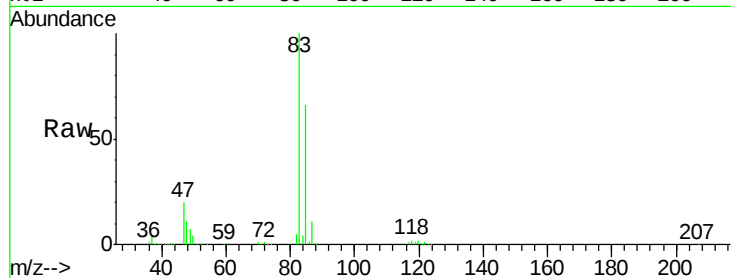
85 66.4 54.2 81.4

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:44:34 PM



#26

Cyclohexane

Concen: 105.873 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

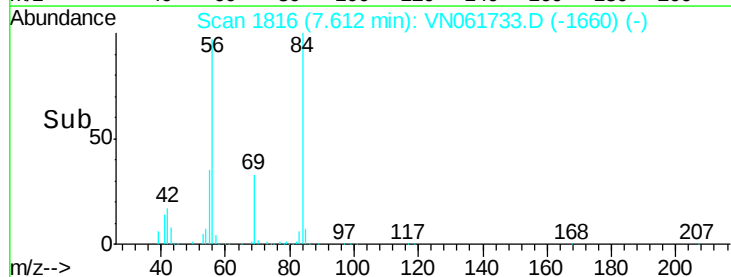
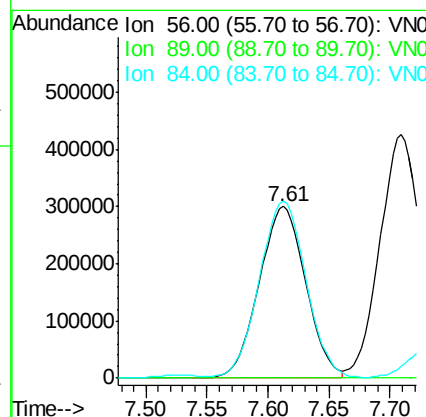
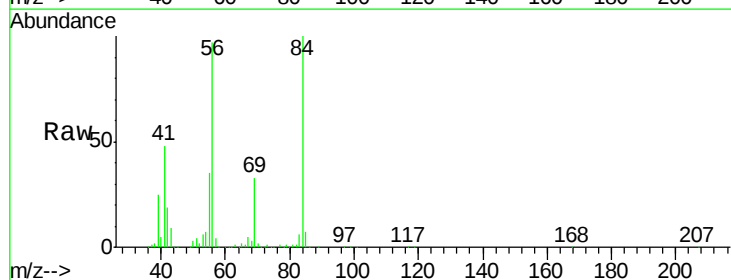
Tgt Ion: 56 Resp: 797045

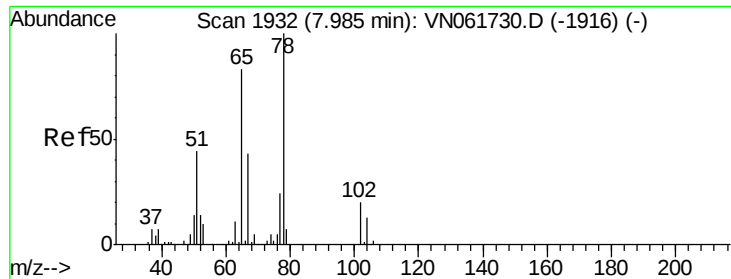
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 103.8 83.5 125.3





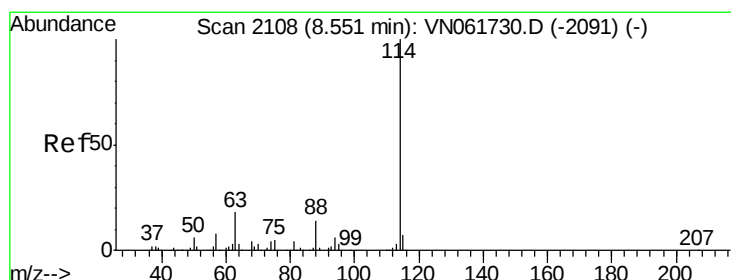
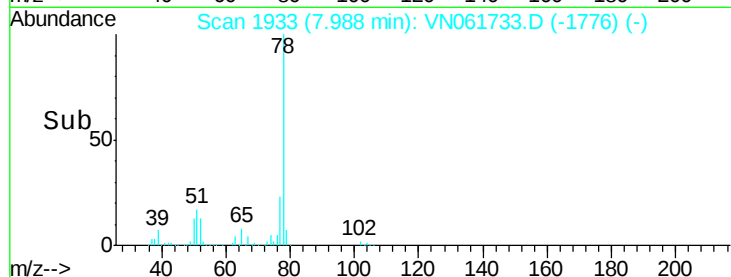
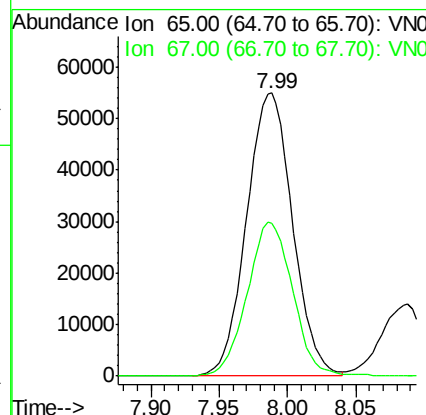
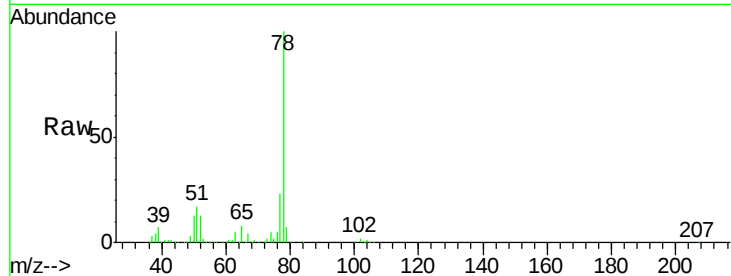
#27
 1,2-Dichloroethane-d4
 Concen: 23.047 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	42.2	63.4

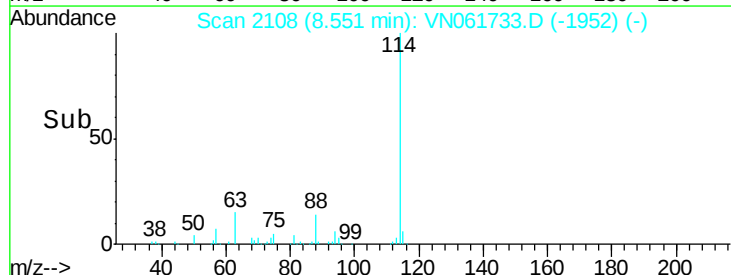
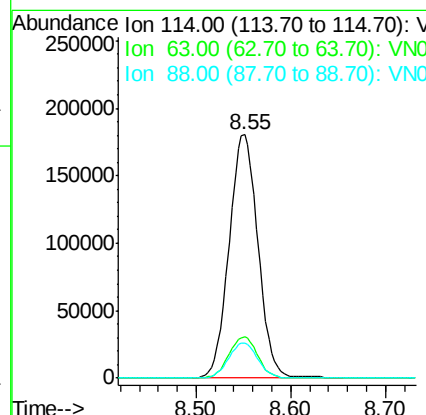
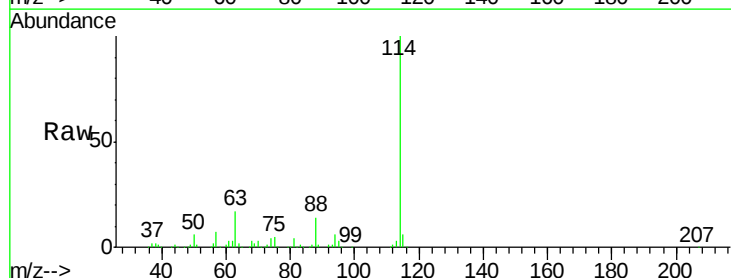
Manual Integrations
 APPROVED

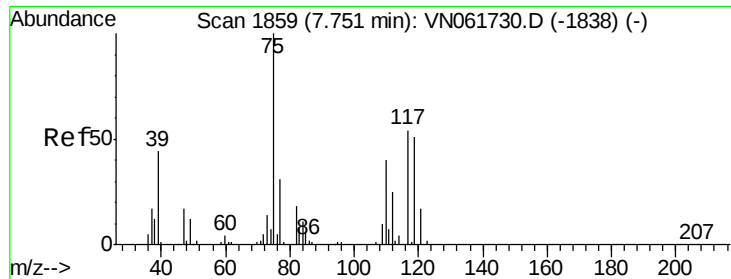
MMDadoda
 6/11/2020 12:44:34 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.9	14.2	21.2
88	14.5	11.4	17.2





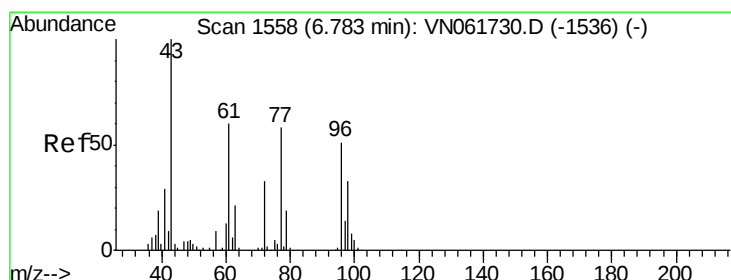
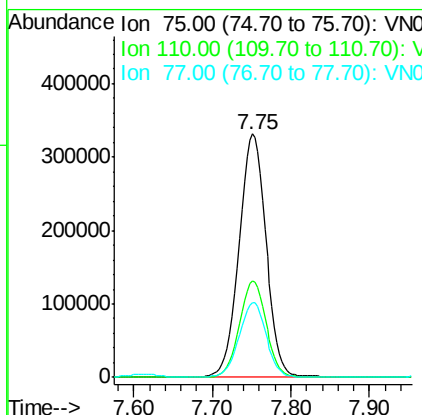
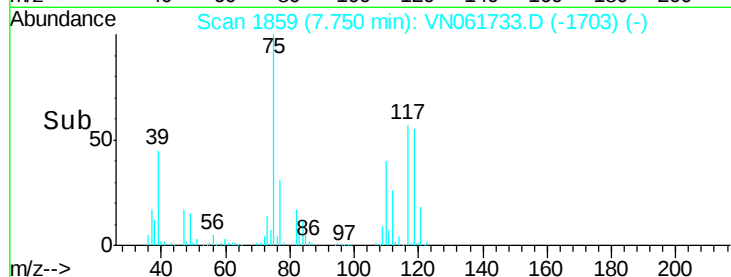
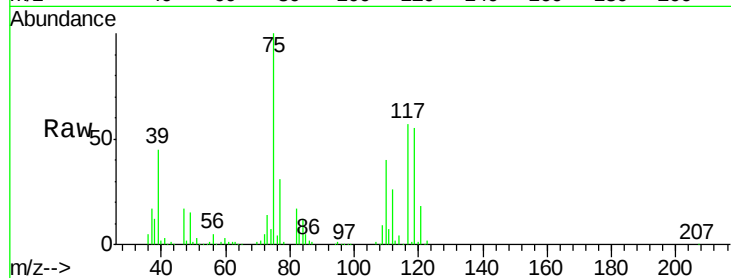
#29
 1,1-Dichloropropene
 Concen: 125.899 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.2	0.0	78.6
77	31.0	0.0	62.4

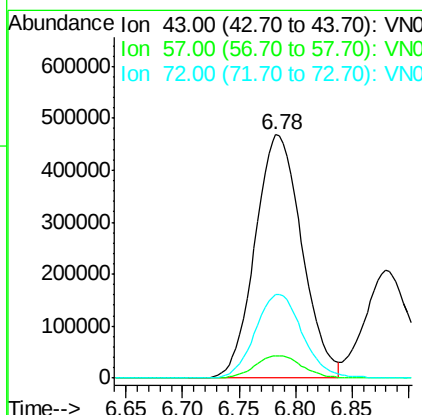
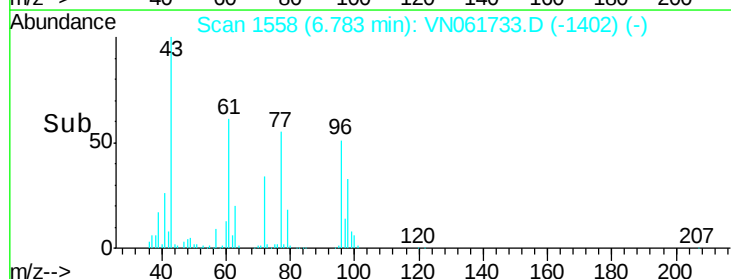
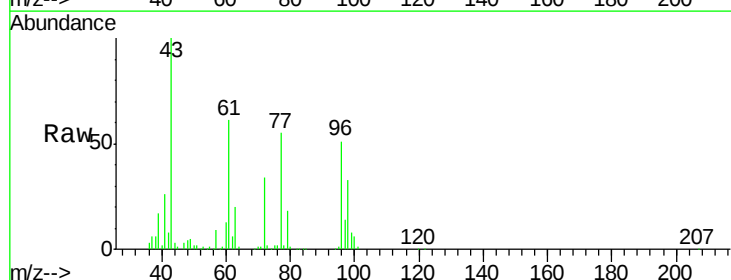
Manual Integrations
 APPROVED

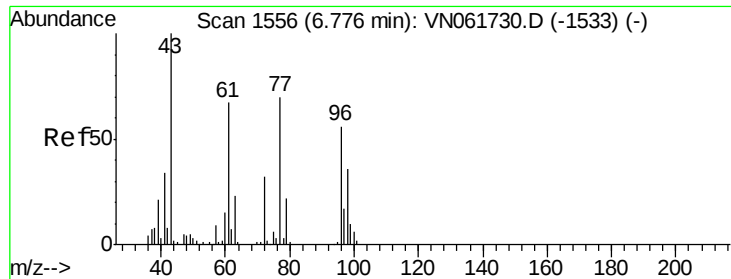
MMDadoda
 6/11/2020 12:44:34 PM



#30
 2-Butanone
 Concen: 517.037 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.4	7.6	11.4
72	35.0	27.8	41.6





#31

2,2-Dichloropropane

Concen: 119.620 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 888260

Ion Ratio Lower Upper

77 100

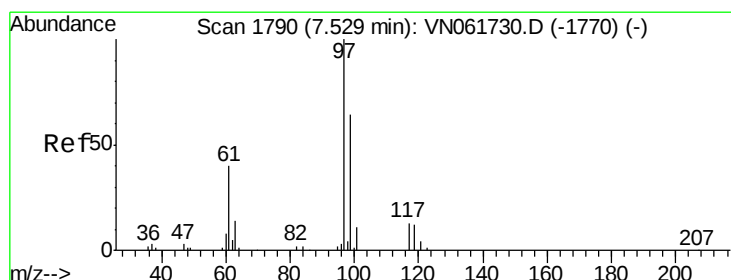
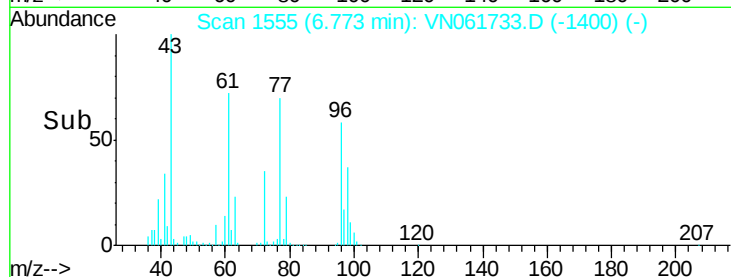
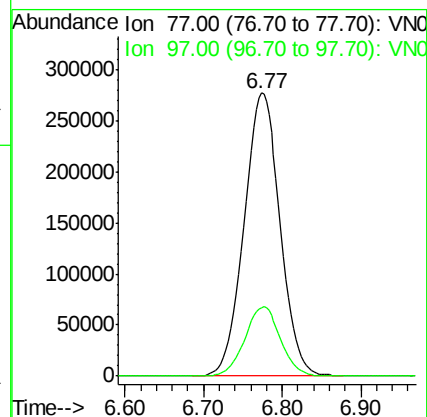
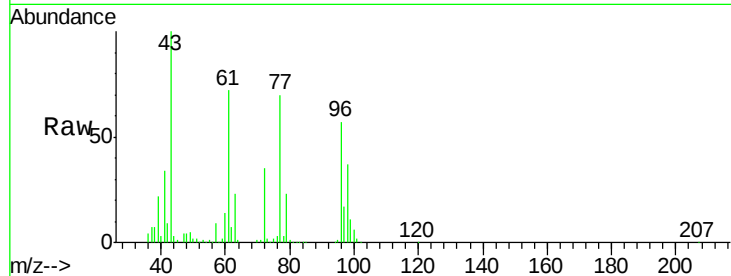
97 24.3 19.6 29.4

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:44:34 PM



#32

1,1,1-Trichloroethane

Concen: 134.286 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

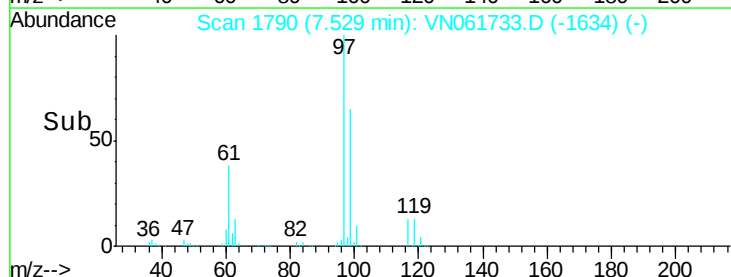
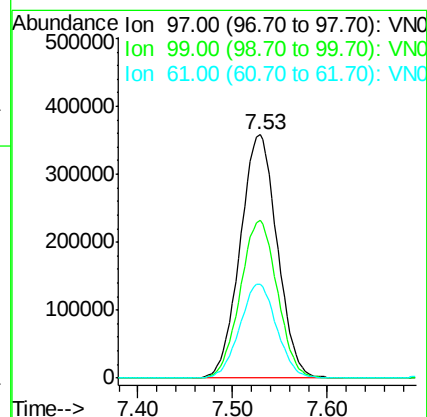
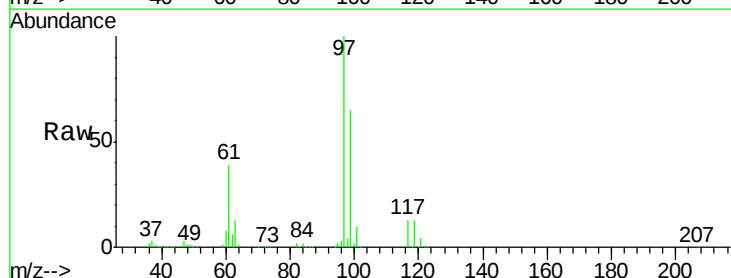
Tgt Ion: 97 Resp: 975036

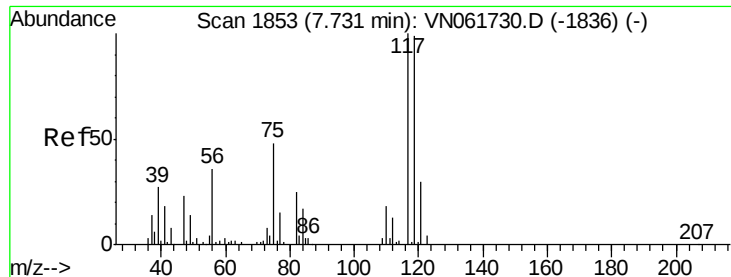
Ion Ratio Lower Upper

97 100

99 64.8 51.9 77.9

61 38.5 32.3 48.5





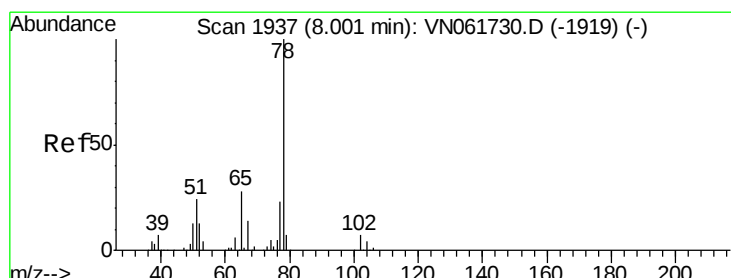
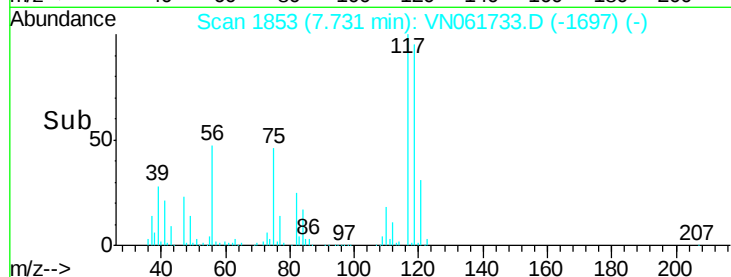
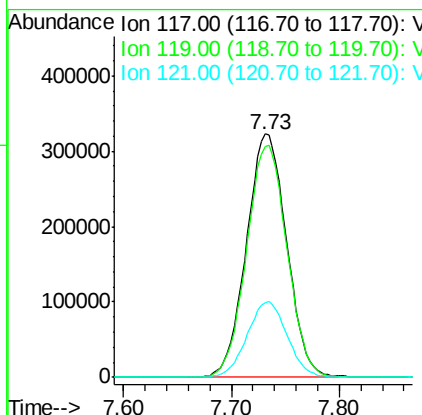
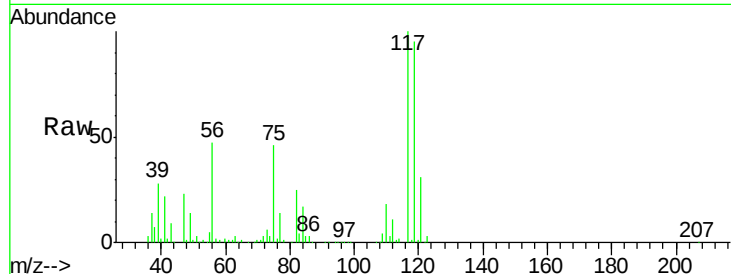
#33
Carbon Tetrachloride
Concen: 148.449 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.3	118.9
121	30.7	24.2	36.4

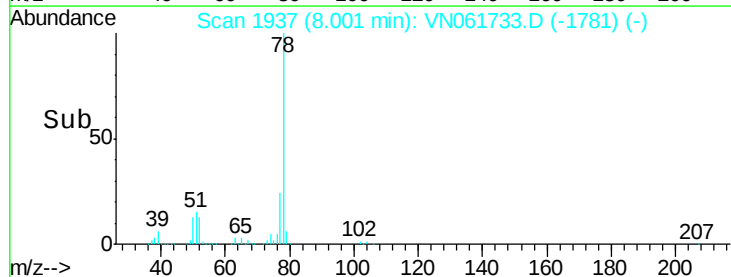
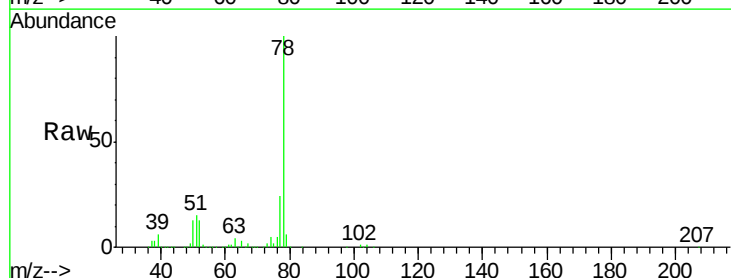
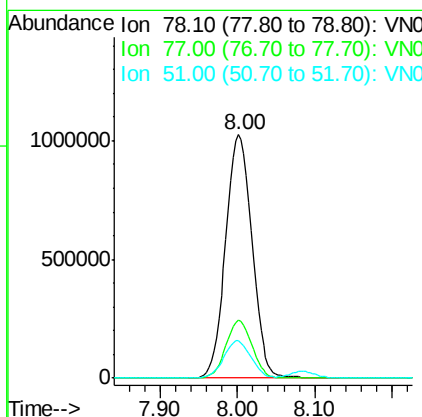
Manual Integrations
APPROVED

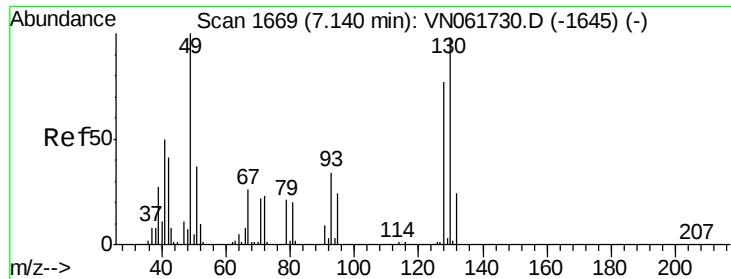
MMDadoda
6/11/2020 12:44:34 PM



#34
Benzene
Concen: 133.606 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.4	27.6
51	15.2	19.1	28.7#





#35

Methacrylonitrile

Concen: 97.187 ug/l

RT: 7.13 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 242418

Ion Ratio Lower Upper

41 100

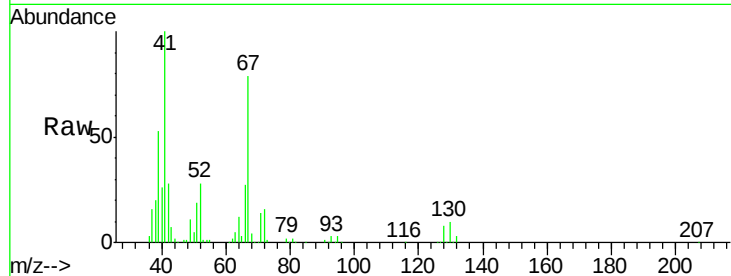
39 53.5 26.5 79.5

67 79.3 25.4 76.2#

52 27.8 10.4 31.2

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM

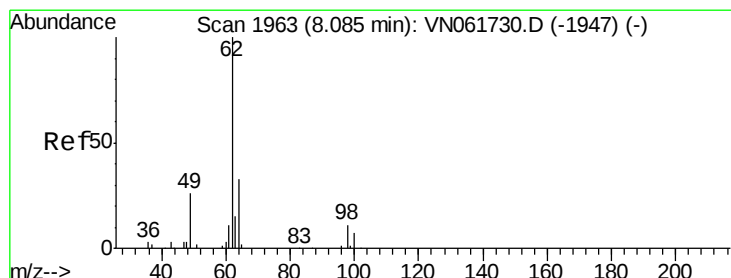
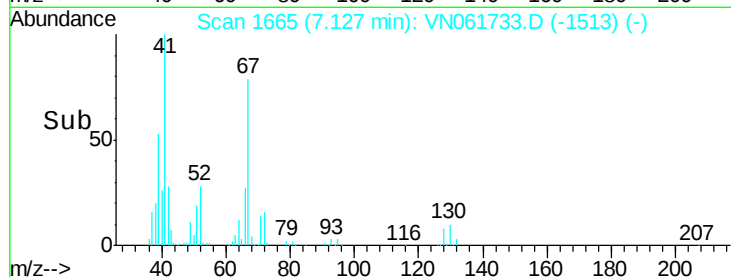
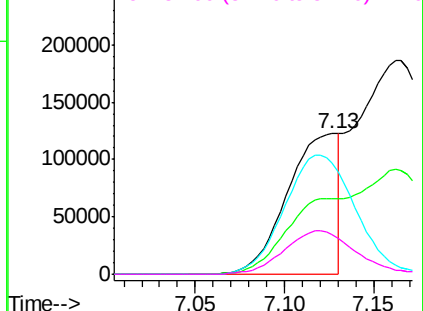


Abundance Ion 41.00 (40.70 to 41.70): VN061733.D (-1645) (-)

Ion 39.00 (38.70 to 39.70): VN061733.D (-1645) (-)

Ion 67.00 (66.70 to 67.70): VN061733.D (-1645) (-)

Ion 52.00 (51.70 to 52.70): VN061733.D (-1645) (-)



#36

1,2-Dichloroethane

Concen: 114.416 ug/l

RT: 8.08 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VN061733.D

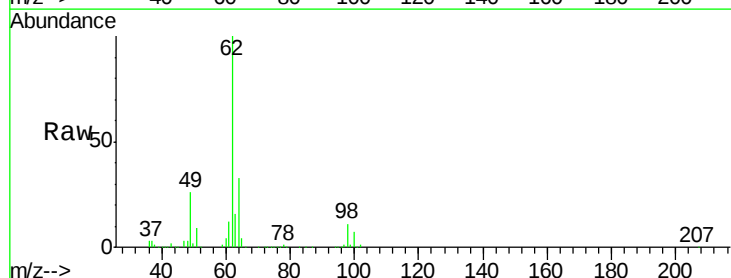
Acq: 10 Jun 2020 12:04

Tgt Ion: 62 Resp: 775251

Ion Ratio Lower Upper

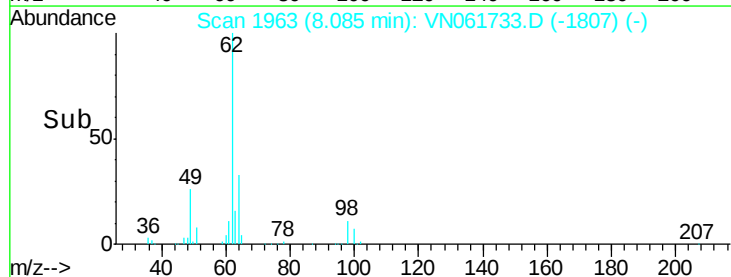
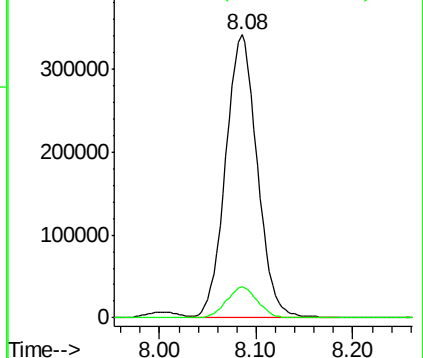
62 100

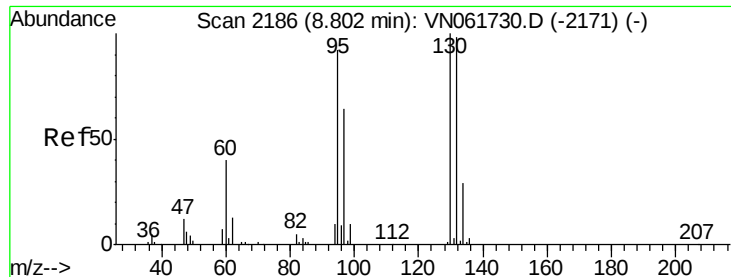
98 10.9 9.4 14.2



Abundance Ion 62.00 (61.70 to 62.70): VN061733.D (-1947) (-)

Ion 98.00 (97.70 to 98.70): VN061733.D (-1947) (-)





#37

Trichloroethene

Concen: 163.135 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 764607

Ion Ratio Lower Upper

130 100

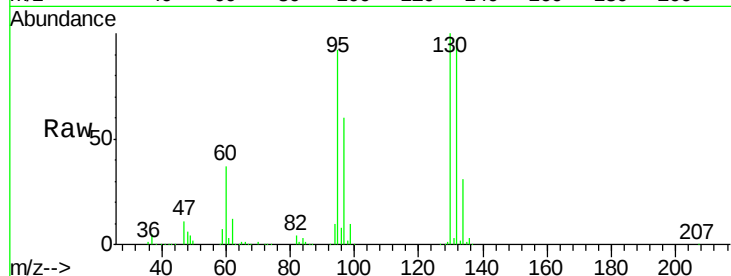
95 92.3 73.9 110.9

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:44:34 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO

8.80

400000

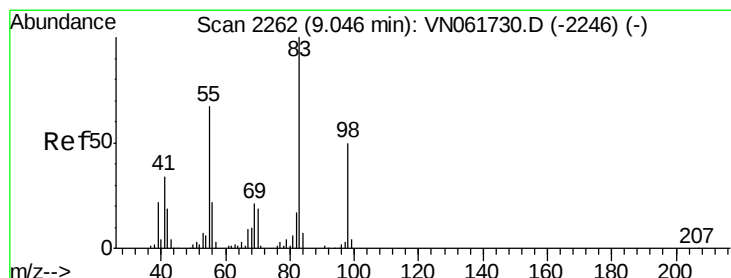
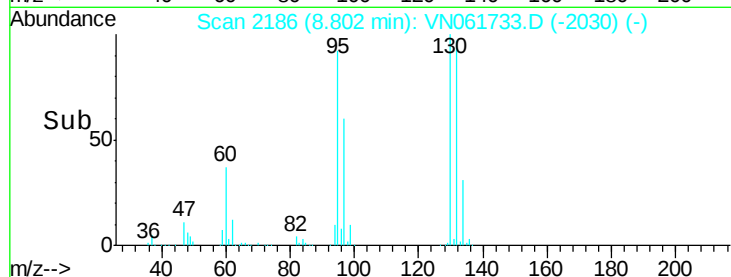
300000

200000

100000

0

Time--> 8.70 8.80 8.90



#38

Methylcyclohexane

Concen: 122.884 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

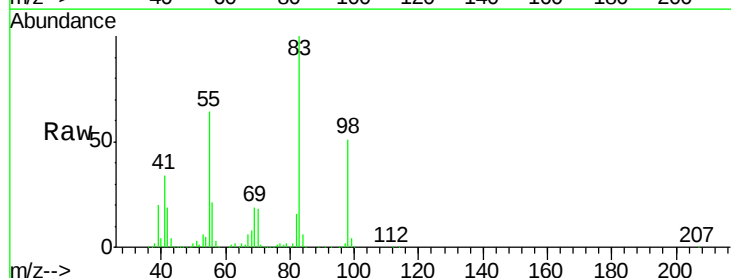
Tgt Ion: 83 Resp: 927228

Ion Ratio Lower Upper

83 100

55 64.0 32.7 98.1

98 50.4 25.4 76.4



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

9.05

600000

500000

400000

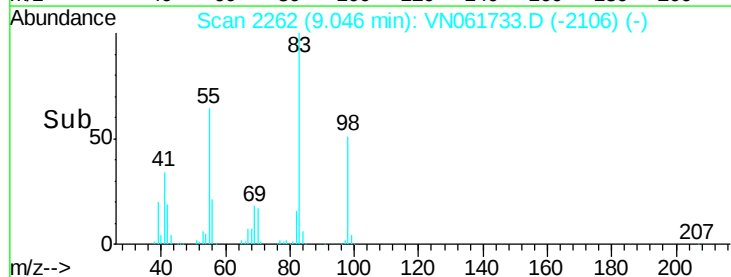
300000

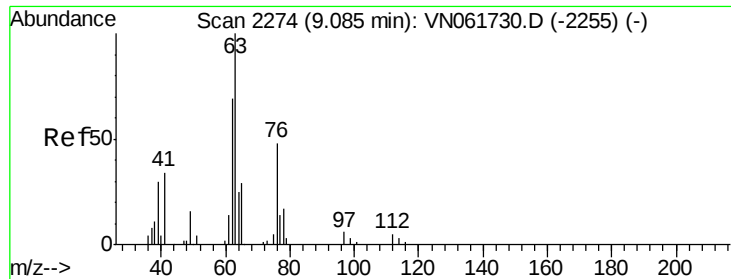
200000

100000

0

Time--> 8.95 9.00 9.05 9.10 9.15





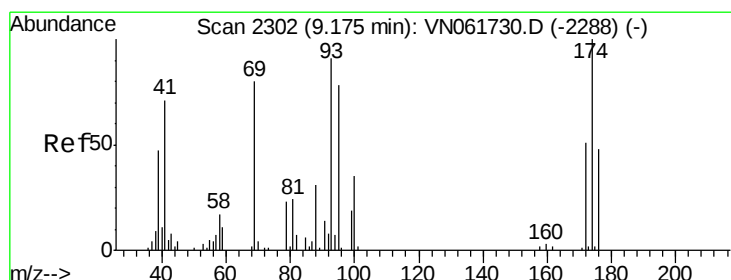
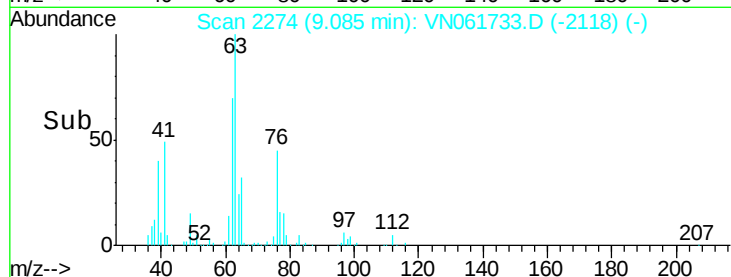
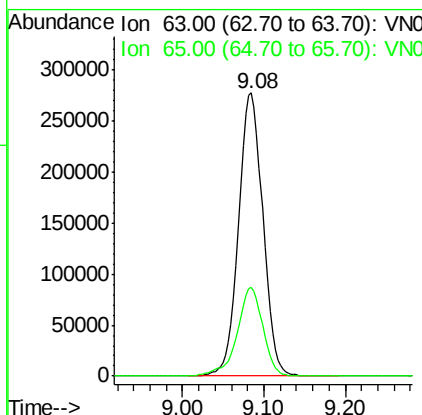
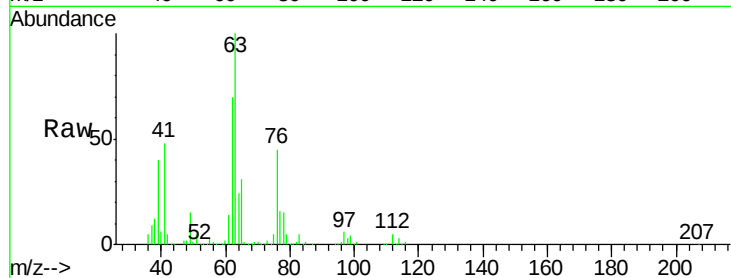
#39
 1,2-Dichloropropane
 Concen: 118.148 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.3	36.5

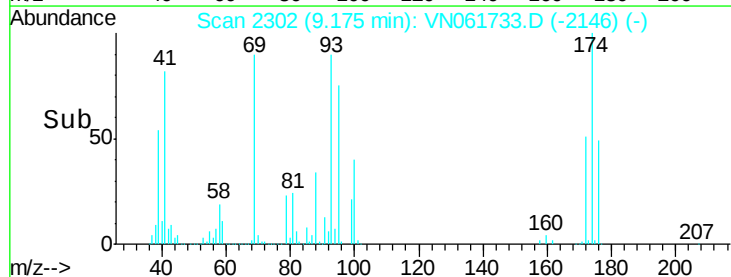
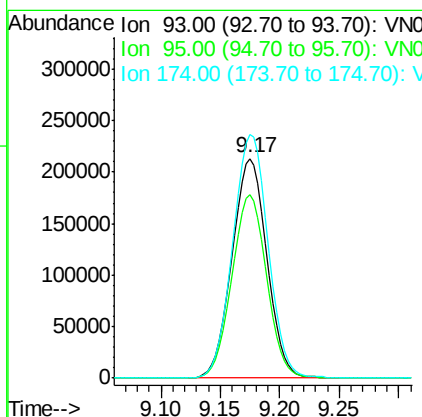
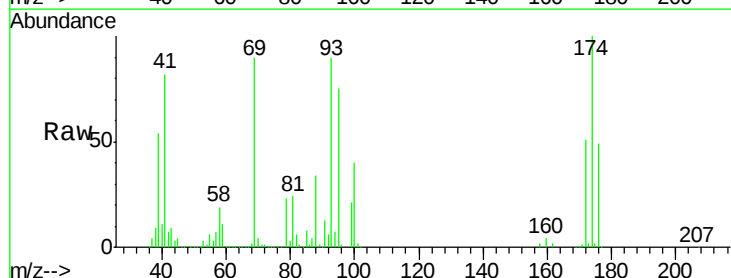
Manual Integrations
 APPROVED

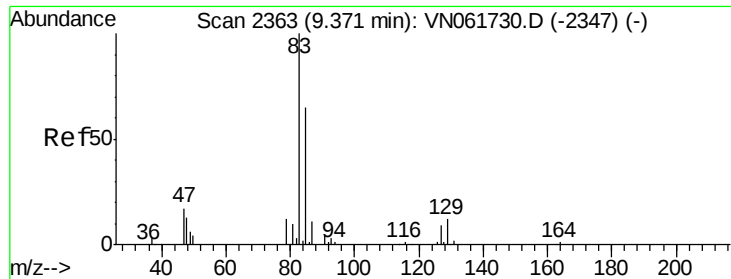
MMDadoda
 6/11/2020 12:44:34 PM



#40
 Dibromomethane
 Concen: 138.800 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	165.8
174	112.3	0.0	217.8





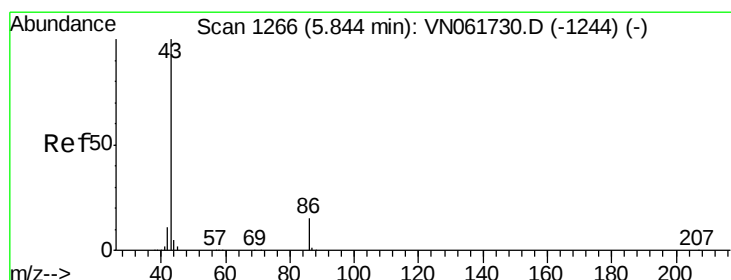
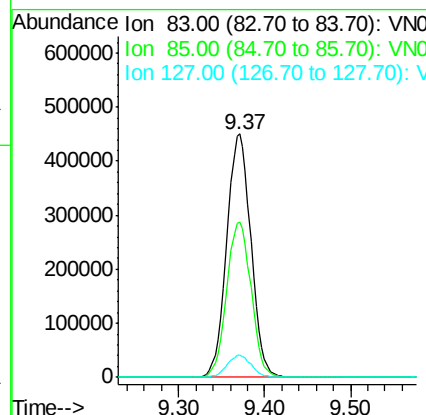
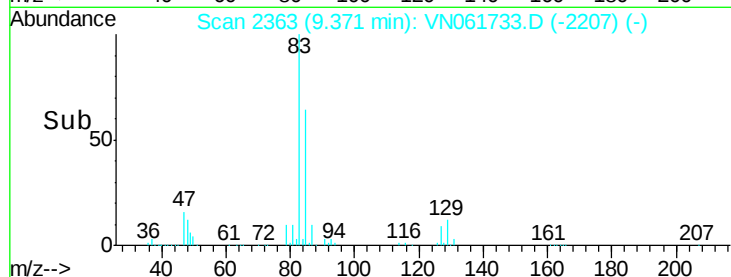
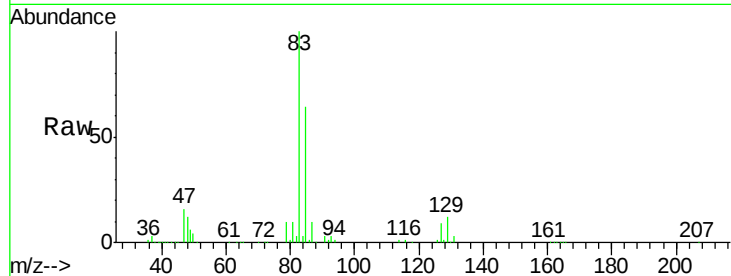
#41
Bromodichloromethane
Concen: 132.049 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	881928
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	52.2	78.4
127	9.1	7.2	10.8

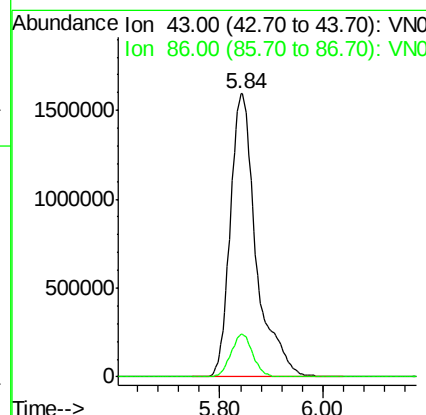
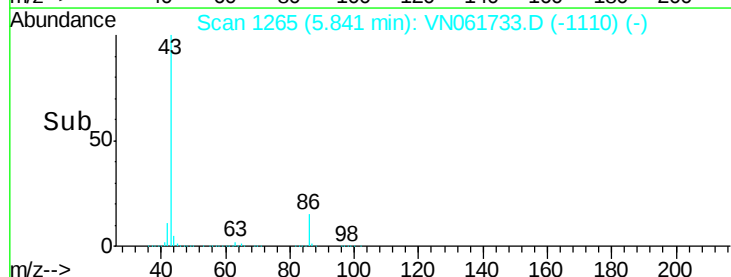
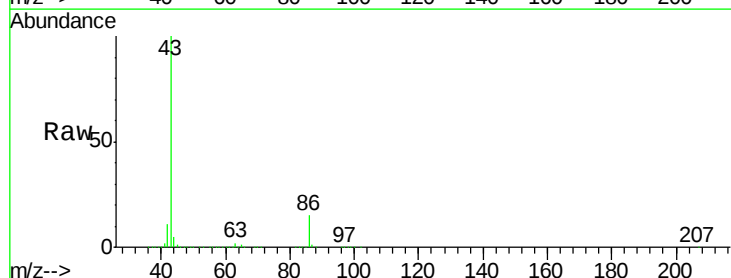
Manual Integrations
APPROVED

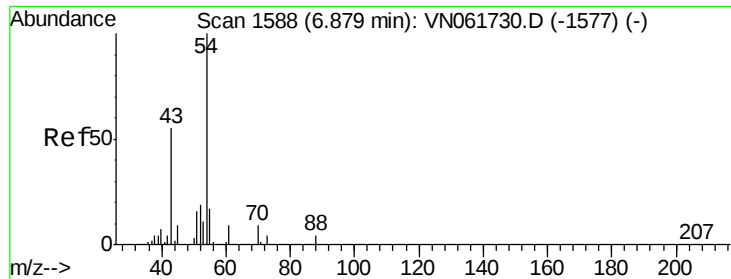
MMDadoda
6/11/2020 12:44:34 PM



#42
Vinyl Acetate
Concen: 457.482 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion	43	Resp	5570724
Ion Ratio	100	Lower	Upper
43	100		
86	12.8	10.0	15.0





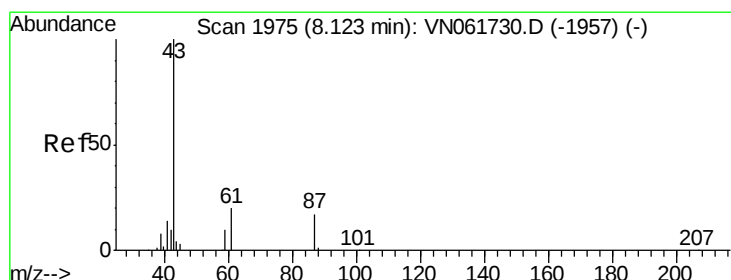
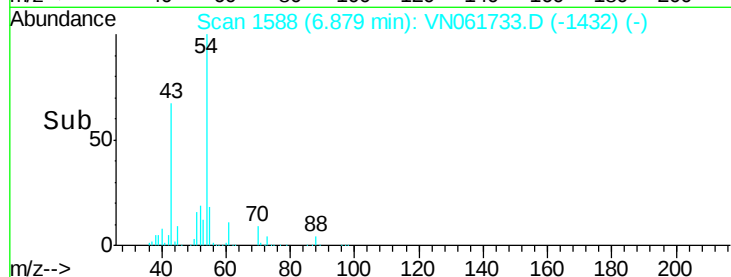
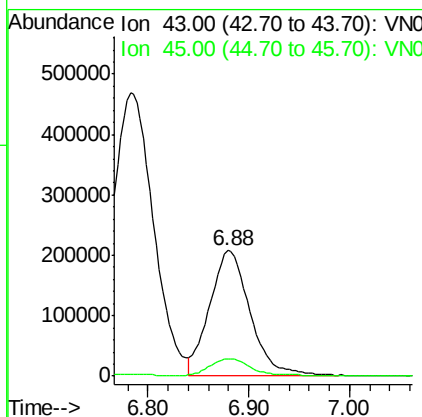
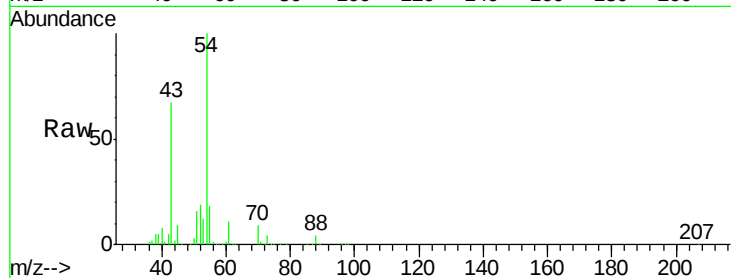
#43
Ethyl Acetate
Concen: 106.396 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 571128
Ion Ratio Lower Upper
43 100
45 14.8 11.4 17.2

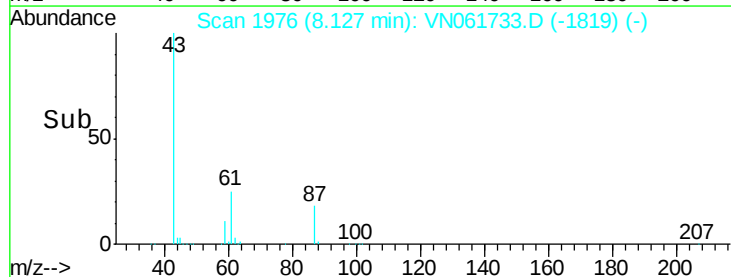
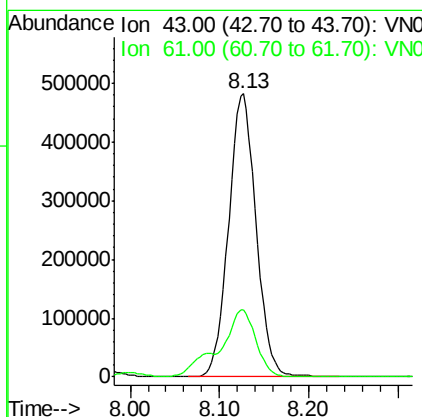
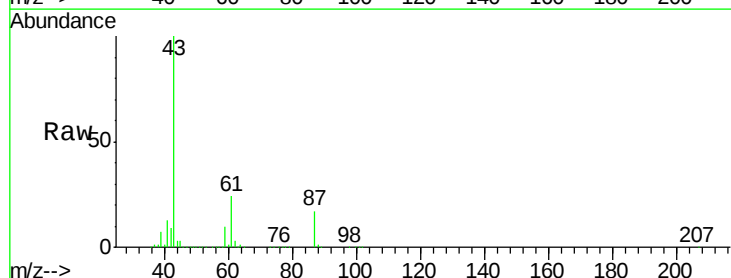
Manual Integrations
APPROVED

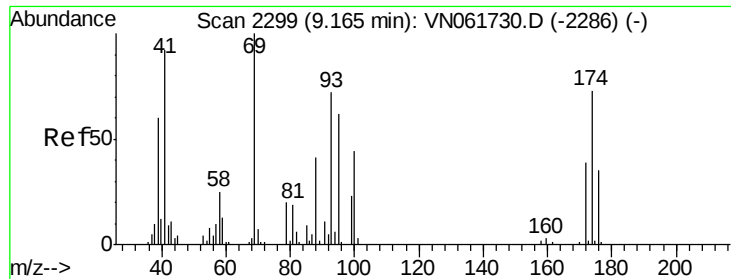
MMDadoda
6/11/2020 12:44:34 PM



#44
Isopropyl Acetate
Concen: 96.786 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 43 Resp: 1024349
Ion Ratio Lower Upper
43 100
61 23.7 18.9 28.3





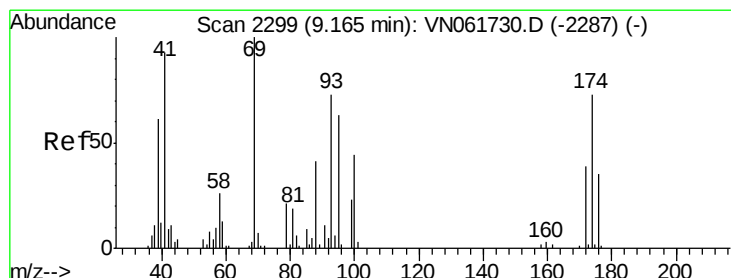
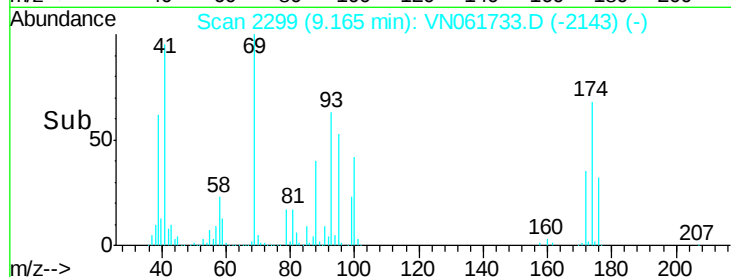
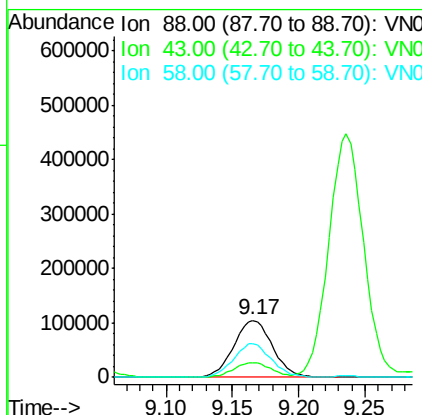
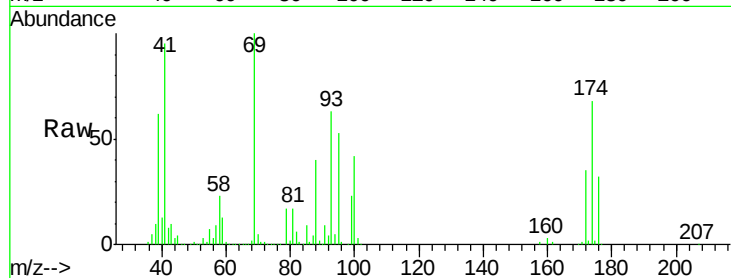
#45
 1,4-Dioxane
 Concen: 4298.764 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.5	21.8	32.8
58	57.9	48.4	72.6

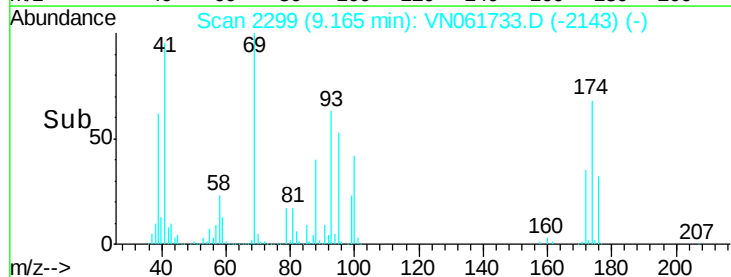
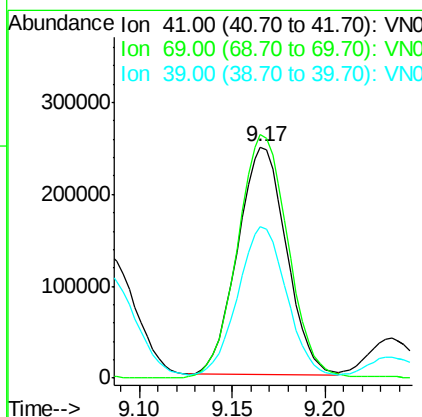
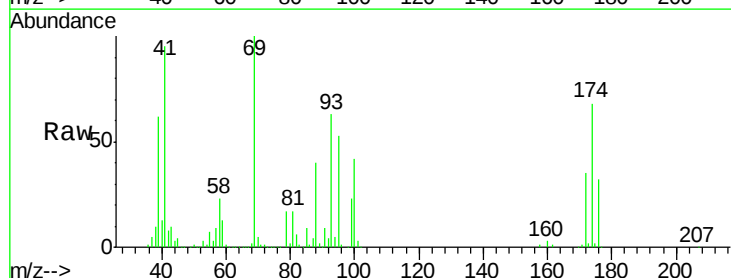
Manual Integrations
 APPROVED

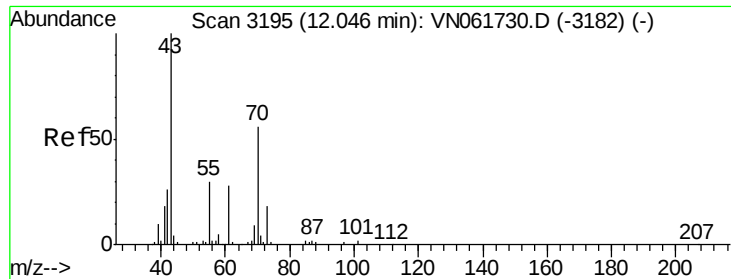
MMDadoda
 6/11/2020 12:44:34 PM



#46
 Methyl methacrylate
 Concen: 92.492 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	106.4	53.8	161.4
39	65.2	33.0	98.9





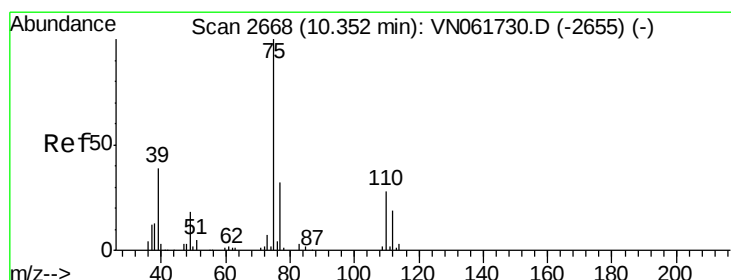
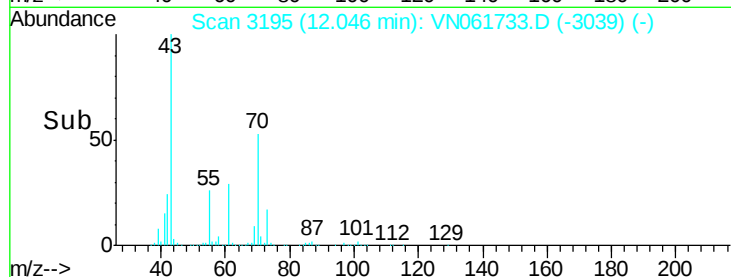
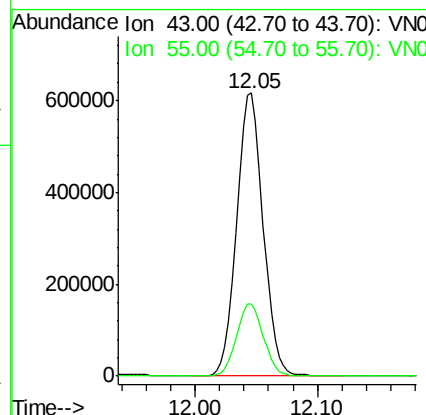
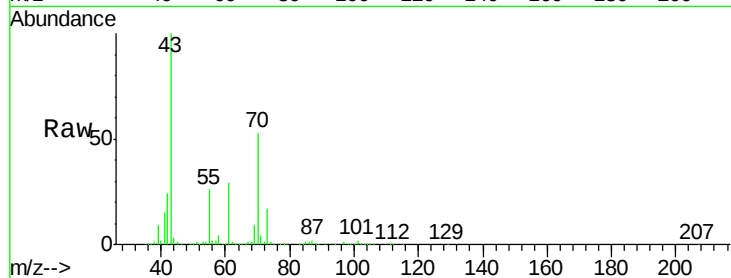
#47
n-amvl Acetate
Concen: 99.691 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 931840
Ion Ratio Lower Upper
43 100
55 26.0 22.7 34.1

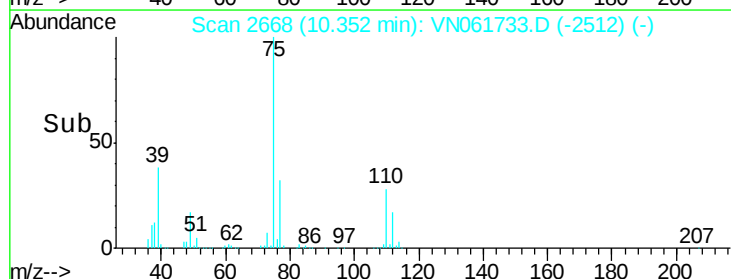
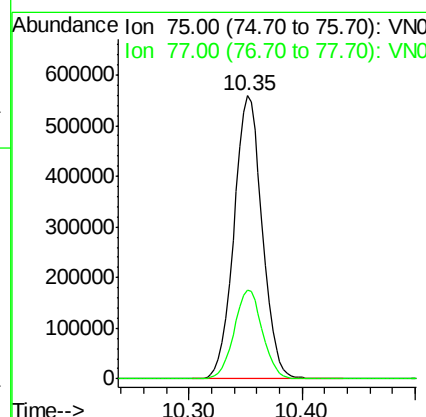
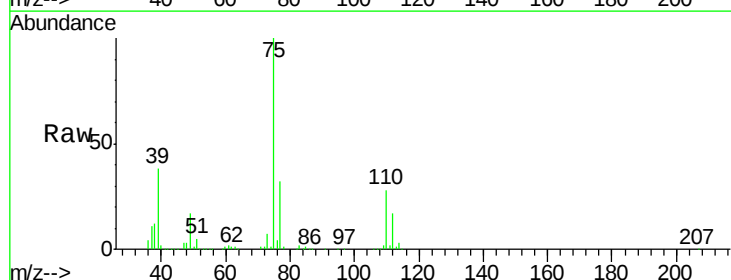
Manual Integrations
APPROVED

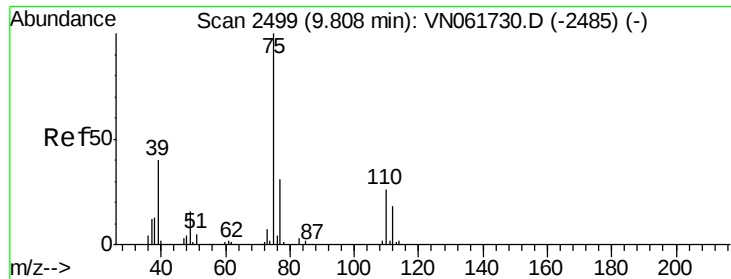
MMDadoda
6/11/2020 12:44:34 PM



#48
t-1,3-Dichloropropene
Concen: 125.657 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 75 Resp: 967434
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2





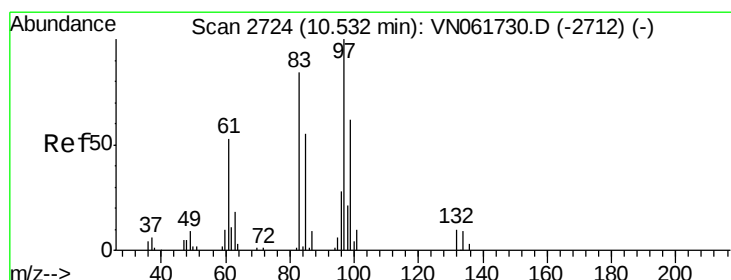
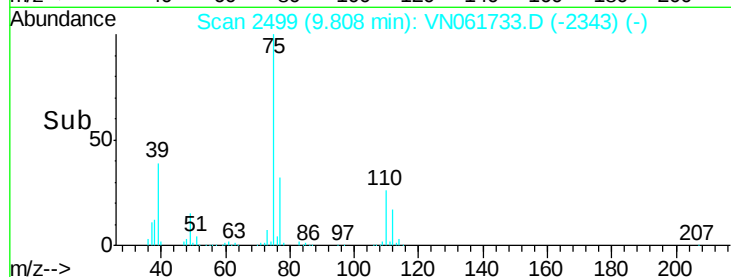
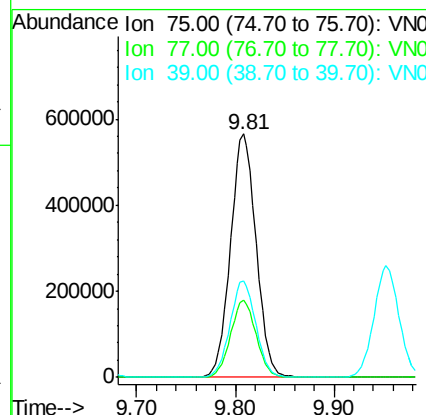
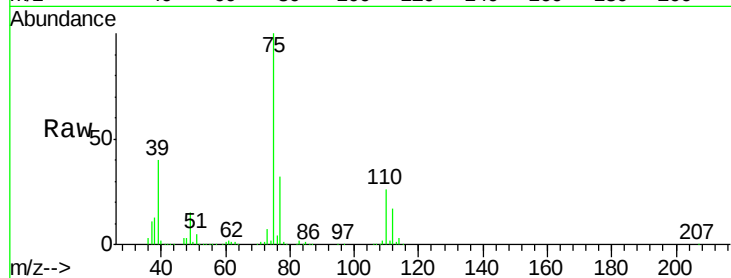
#49
 cis-1,3-Dichloropropene
 Concen: 125.211 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	39.5	31.8	47.6

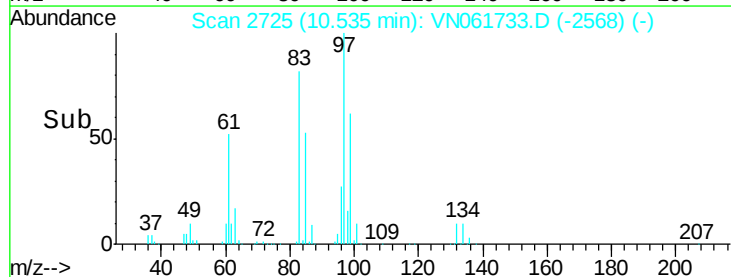
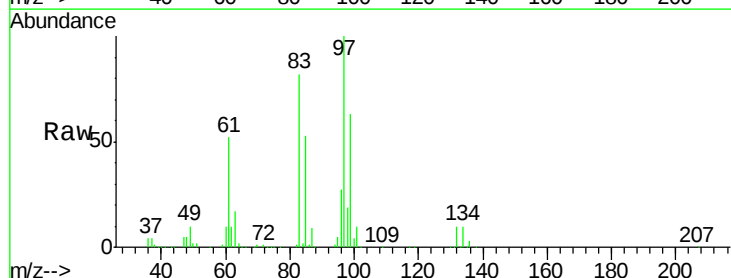
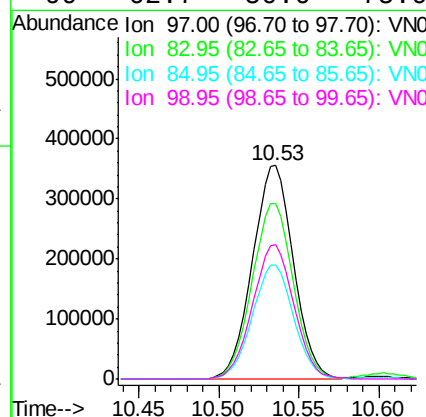
Manual Integrations
 APPROVED

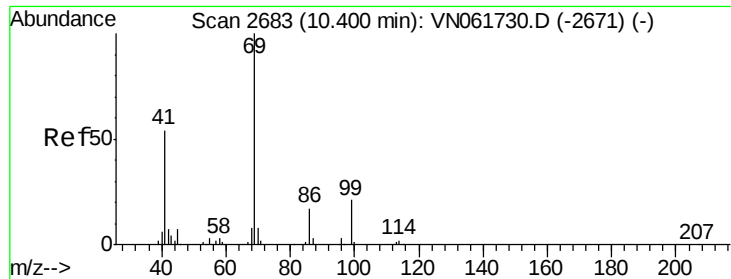
MMDadoda
 6/11/2020 12:44:34 PM



#50
 1,1,2-Trichloroethane
 Concen: 143.515 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.6	101.4
85	53.5	44.0	66.0
99	62.7	50.0	75.0





#51

Ethyl methacrylate

Concen: 126.785 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

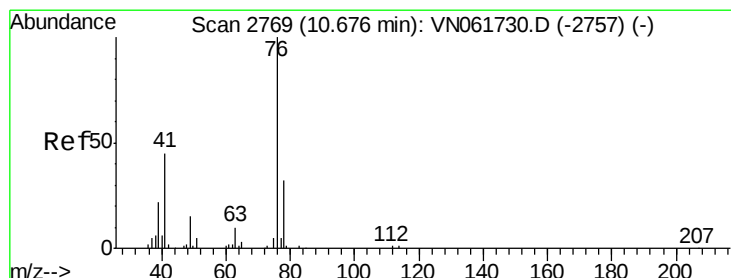
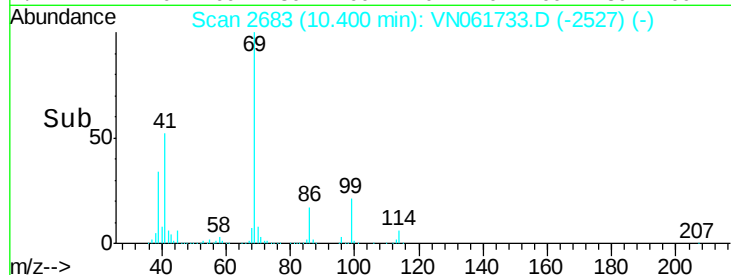
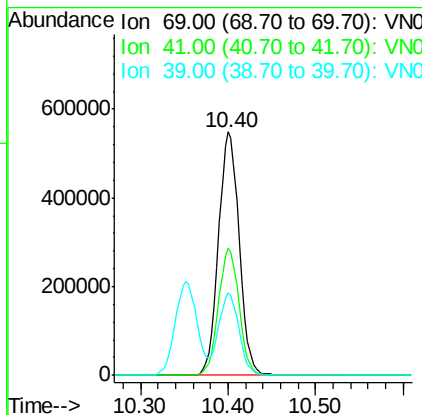
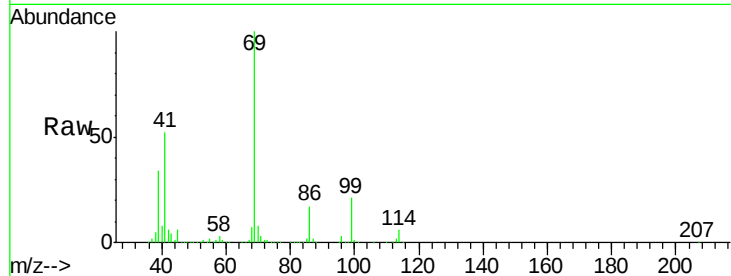
ClientSampled :

VSTDIC150

Tot Ion:	69	Resp:	901773
Ion Ratio	Lower	Upper	
69	100		
41	52.1	26.9	80.7
39	33.6	16.7	50.1

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM



#52

1,3-Dichloropropane

Concen: 131.221 ug/l

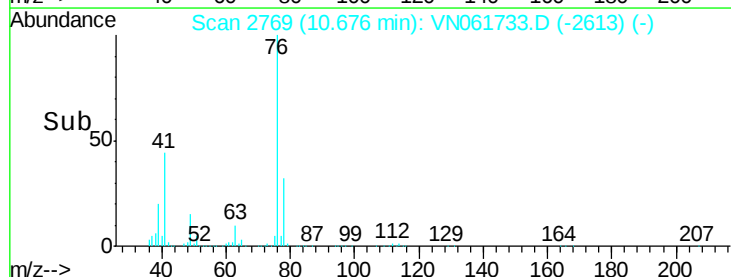
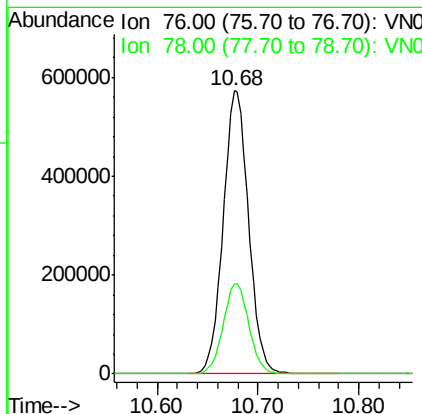
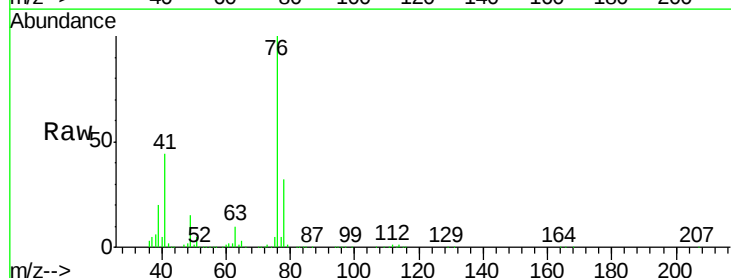
RT: 10.68 min Scan# 2769

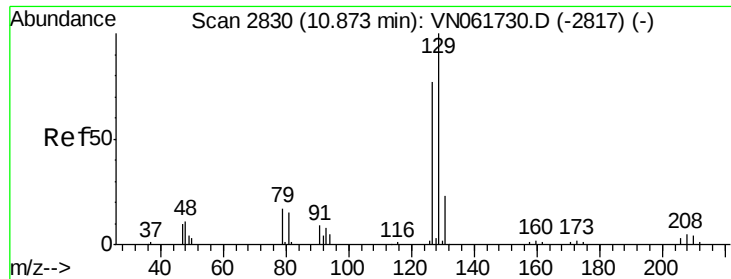
Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Tgt Ion:	76	Resp:	1009242
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	65.8





#53

Dibromochloromethane

Concen: 157.324 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 758223

Ion Ratio Lower Upper

129 100

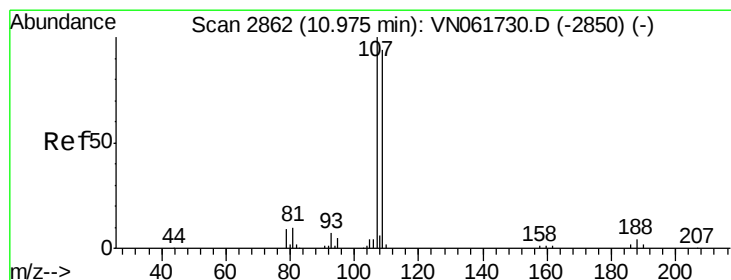
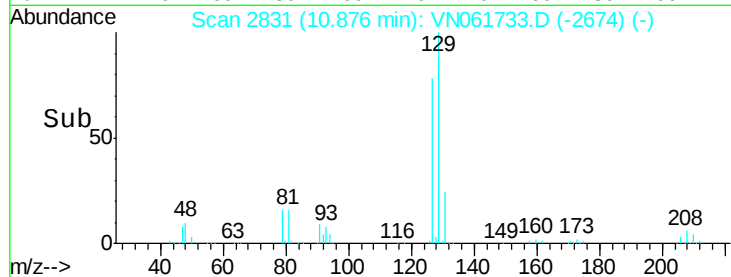
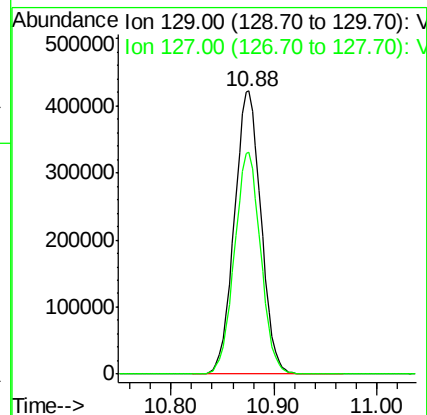
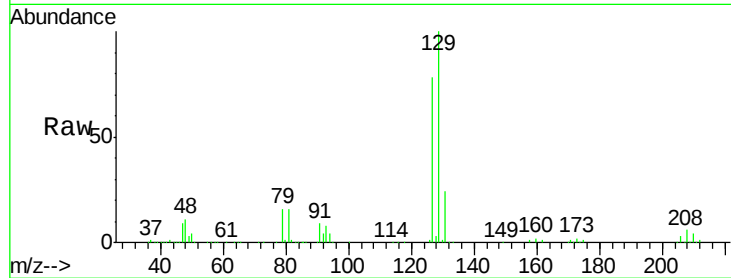
127 77.5 38.6 116.0

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:44:34 PM



#54

1,2-Dibromoethane

Concen: 149.618 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061733.D

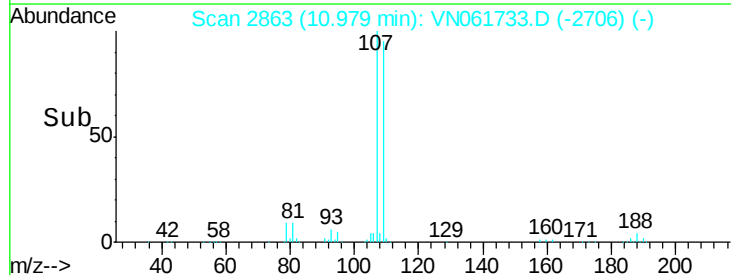
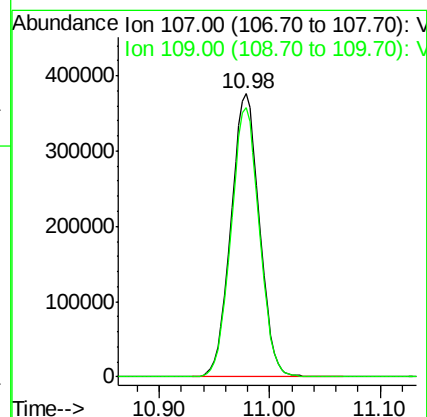
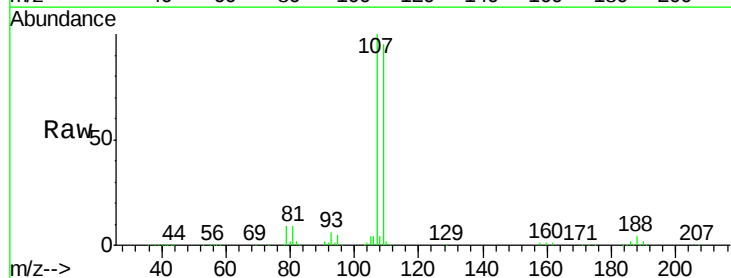
Acq: 10 Jun 2020 12:04

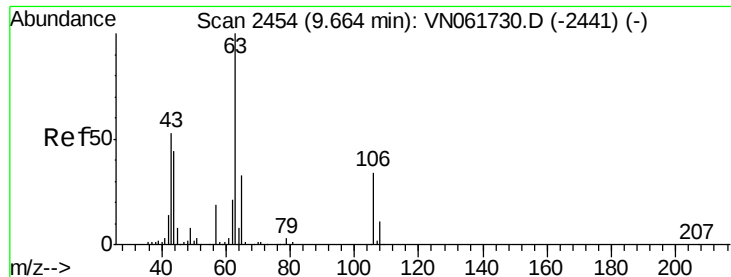
Tgt Ion:107 Resp: 672205

Ion Ratio Lower Upper

107 100

109 94.8 76.6 114.8





#55

2-Chloroethyl vinyl ether

Concen: 591.332 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1816338

Ion Ratio Lower Upper

63 100

65 32.5 25.8 38.8

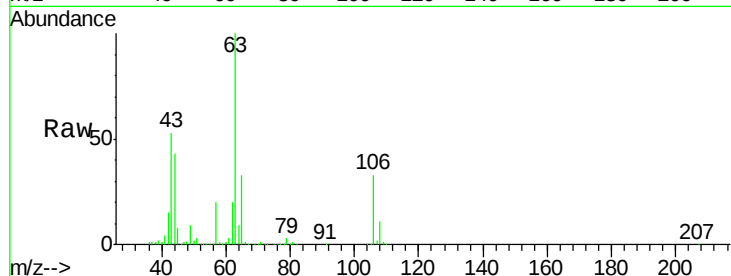
106 33.2 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

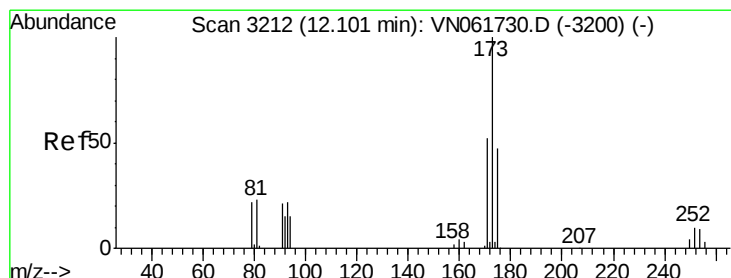
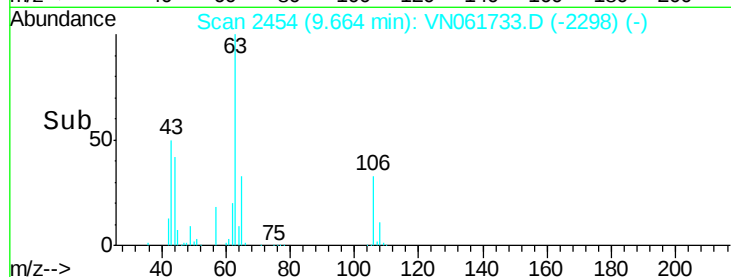
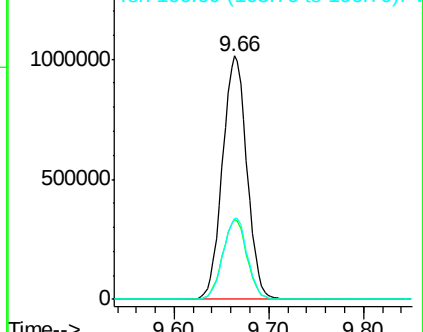
6/11/2020 12:44:34 PM



Abundance Ion 63.00 (62.70 to 63.70): VN061733.D (-2441) (-)

Ion 65.00 (64.70 to 65.70): VN061733.D (-2441) (-)

Ion 106.00 (105.70 to 106.70): VN061733.D (-2441) (-)



#56

Bromoform

Concen: 181.816 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

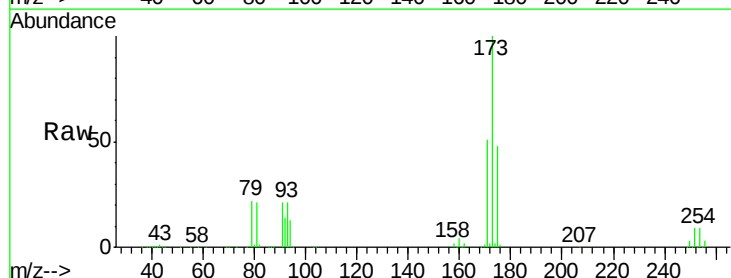
Tgt Ion: 173 Resp: 560180

Ion Ratio Lower Upper

173 100

175 48.2 37.5 56.3

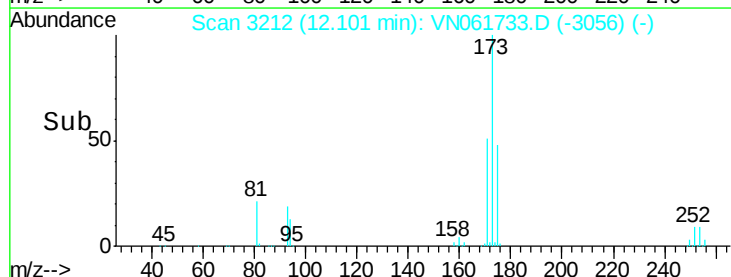
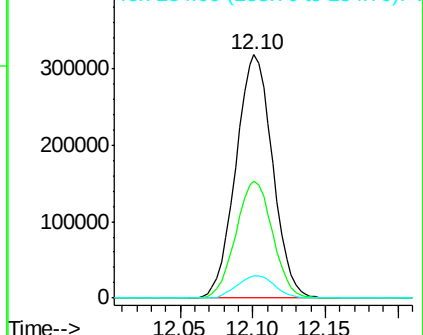
254 9.1 6.9 10.3

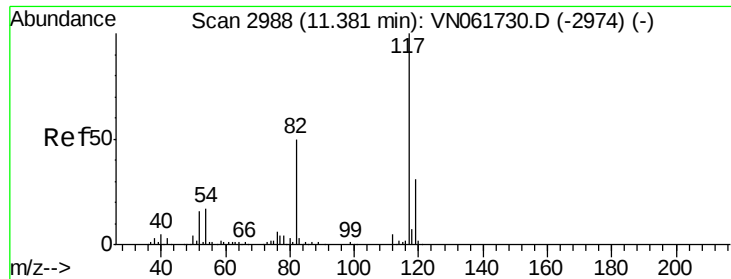


Abundance Ion 173.00 (172.70 to 173.70): VN061733.D (-3200) (-)

Ion 175.00 (174.70 to 175.70): VN061733.D (-3200) (-)

Ion 254.00 (253.70 to 254.70): VN061733.D (-3200) (-)





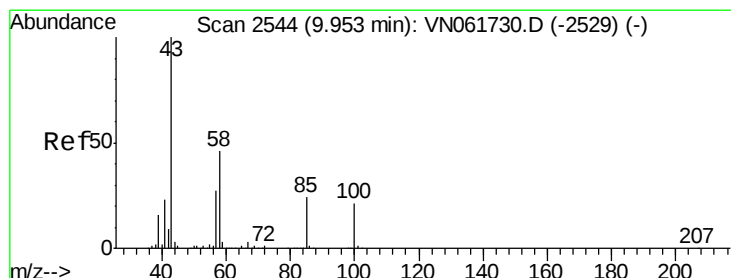
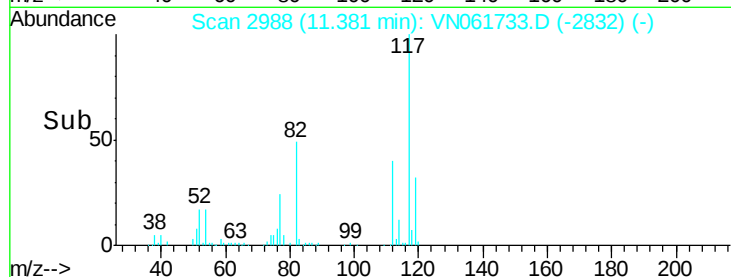
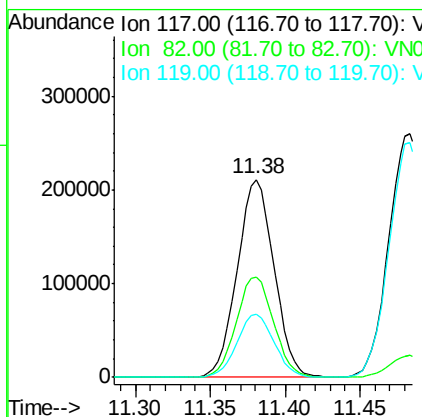
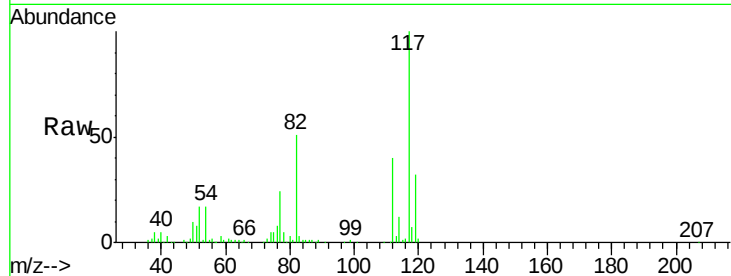
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	362235		
82	51.5	40.6	60.8	
119	32.0	25.4	38.2	

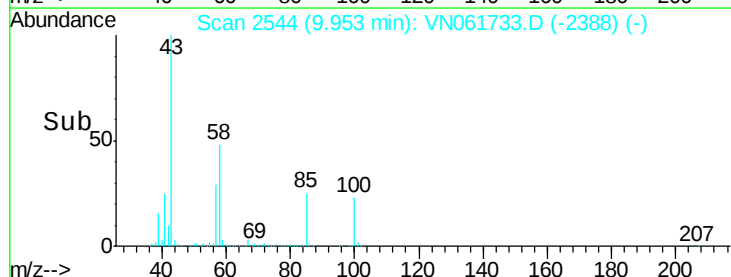
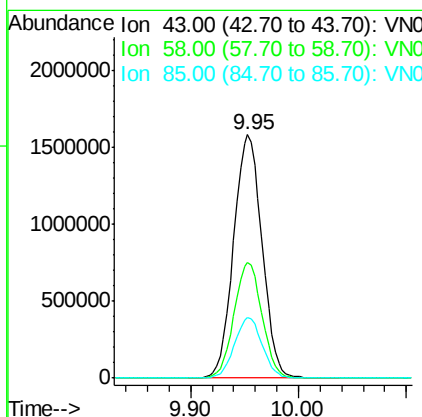
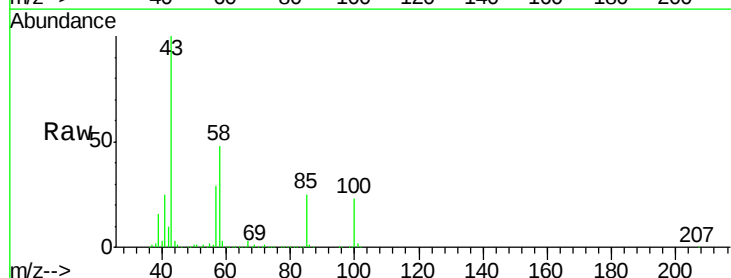
Manual Integrations
APPROVED

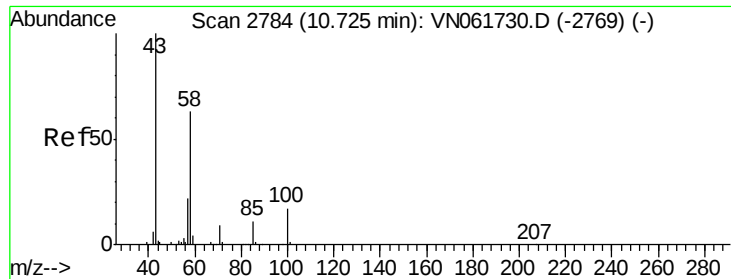
MMDadoda
6/11/2020 12:44:34 PM



#58
4-Methyl-2-Pentanone
Concen: 484.954 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	2890743		
58	46.6	36.6	54.8	
85	24.2	19.0	28.6	





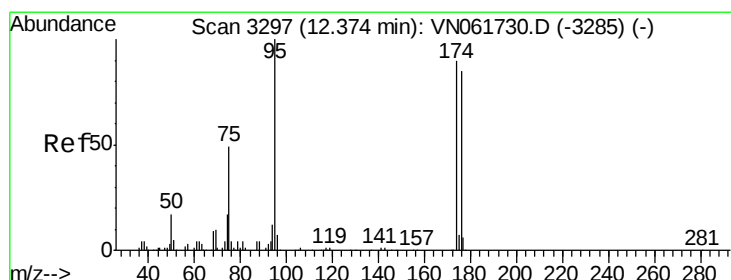
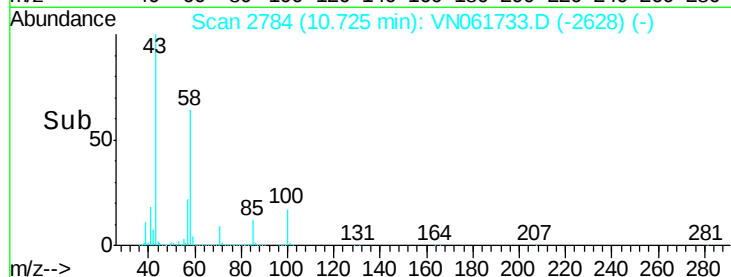
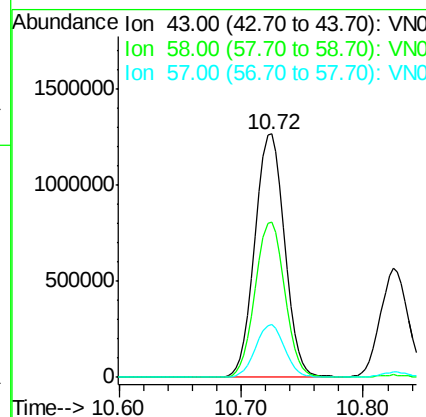
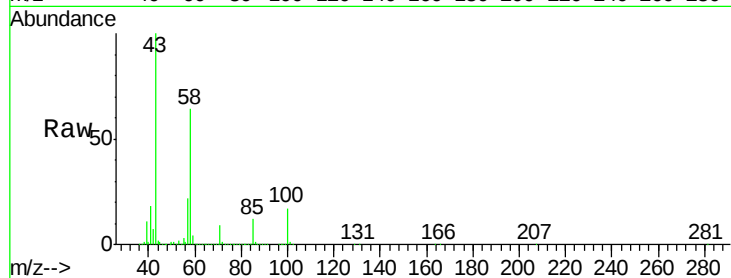
#59
2-Hexanone
Concen: 503.049 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2124480
Ion Ratio Lower Upper
43 100
58 63.6 50.4 75.6
57 21.4 17.2 25.8

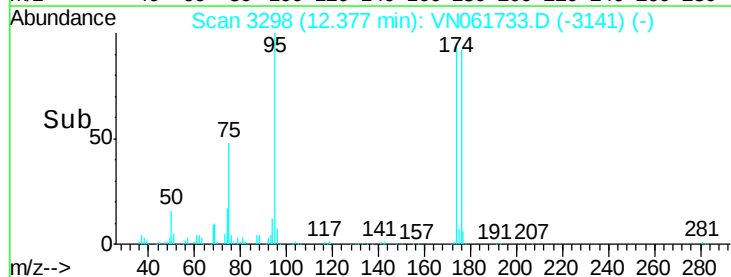
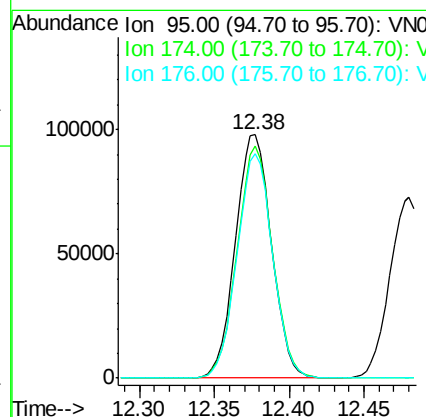
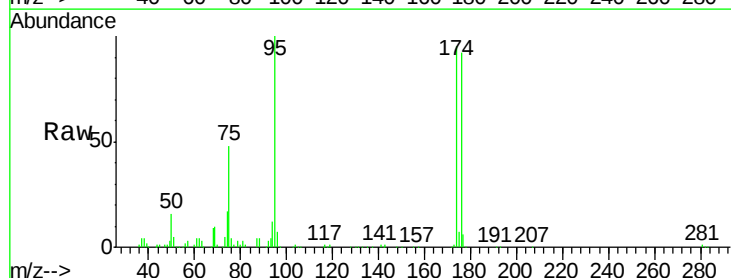
Manual Integrations
APPROVED

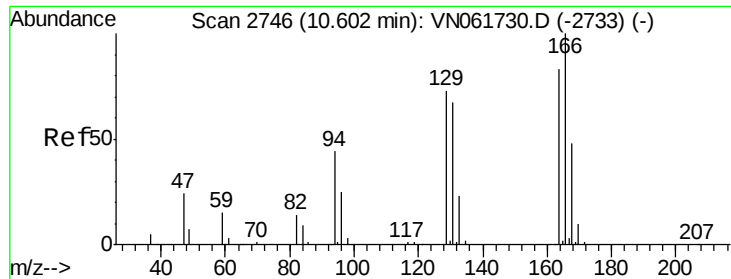
MMDadoda
6/11/2020 12:44:34 PM



#60
4-Bromofluorobenzene
Concen: 27.338 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 95 Resp: 165005
Ion Ratio Lower Upper
95 100
174 93.1 72.8 109.2
176 90.6 69.2 103.8





#61

Tetrachloroethene

Concen: 182.886 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 857126

Ion Ratio Lower Upper

164 100

166 127.0 96.6 144.8

129 89.3 70.1 105.1

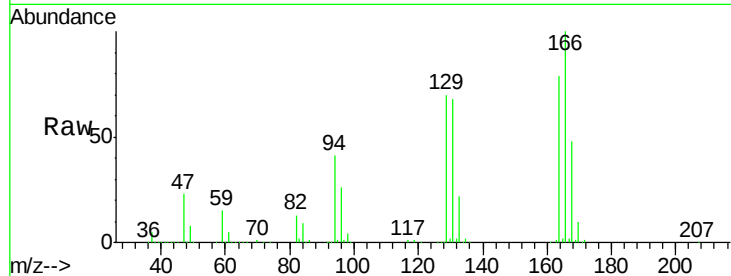
131 86.6 64.6 96.8

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:44:34 PM

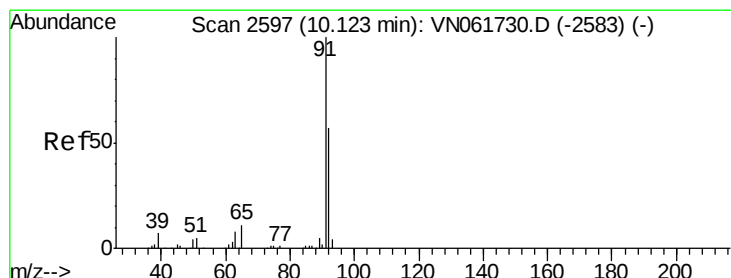
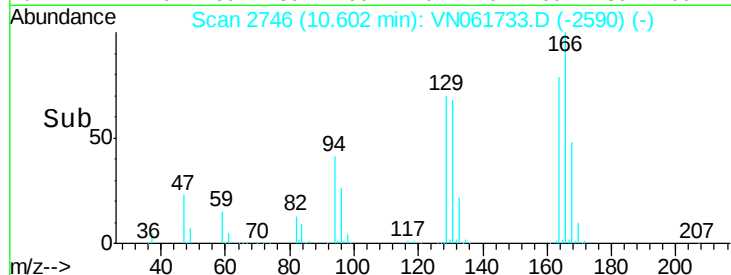
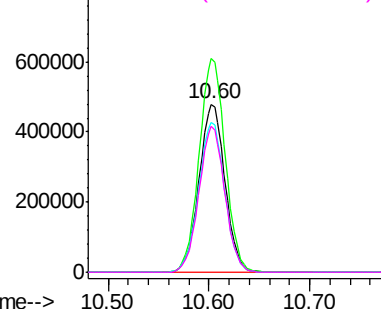


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 132.866 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061733.D

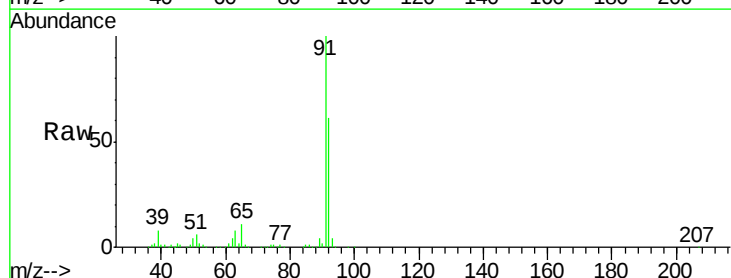
Acq: 10 Jun 2020 12:04

Tgt Ion: 91 Resp: 2699206

Ion Ratio Lower Upper

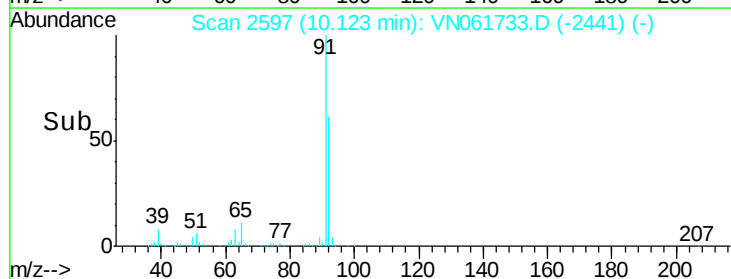
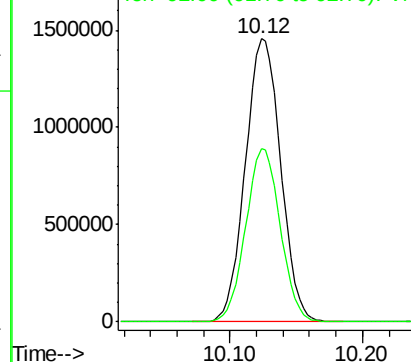
91 100

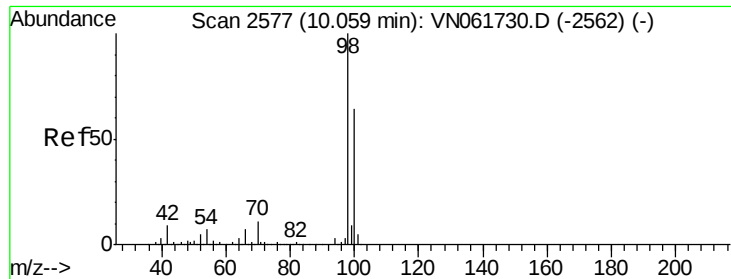
92 60.0 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





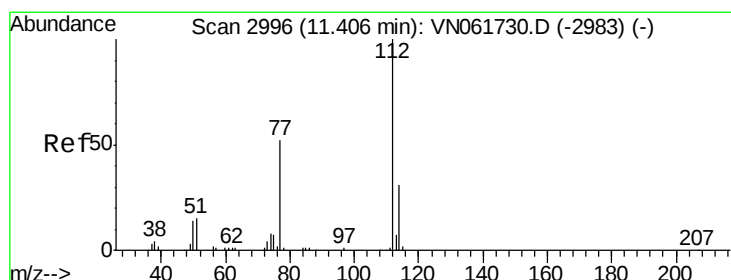
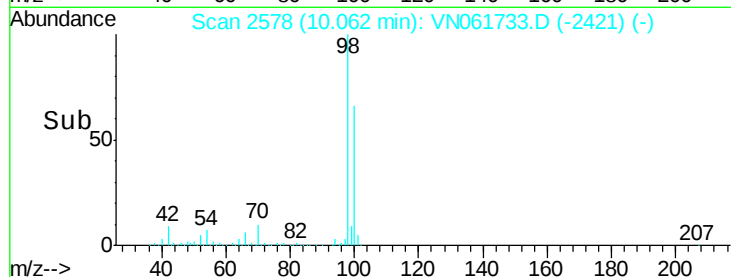
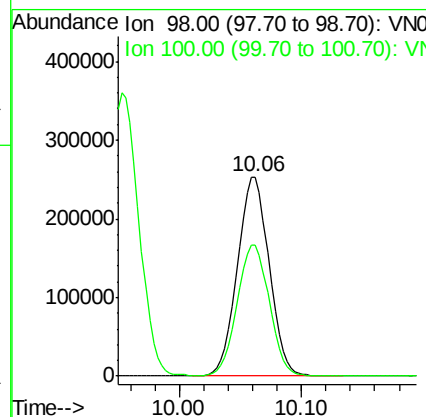
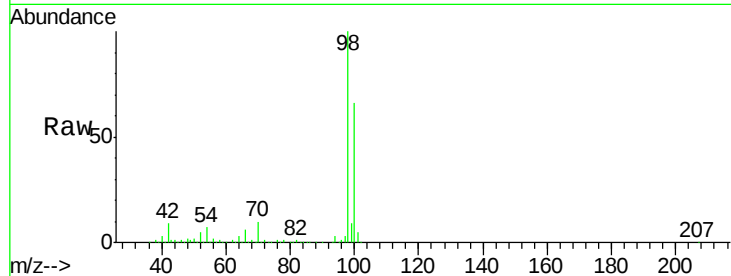
#63
Toluene-d8
Concen: 27.695 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 457794
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.4

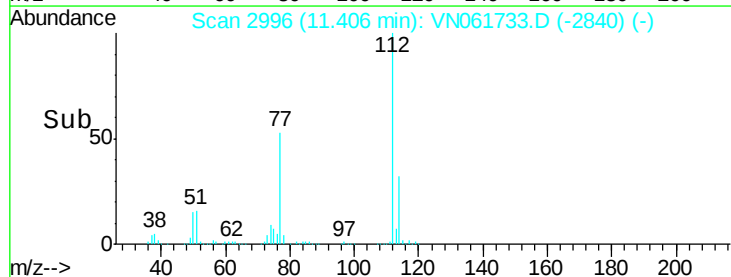
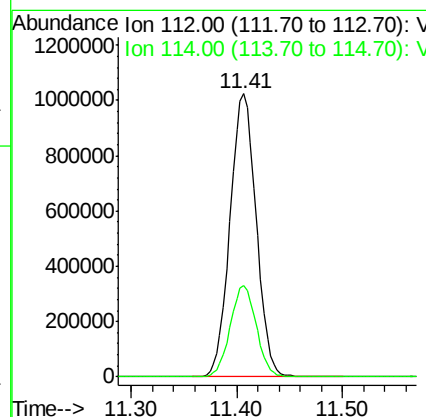
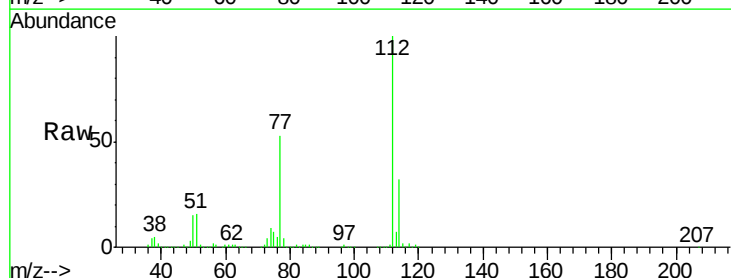
Manual Integrations
APPROVED

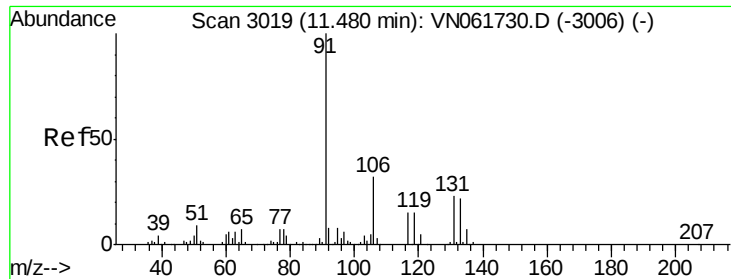
MMDadoda
6/11/2020 12:44:34 PM



#64
Chlorobenzene
Concen: 144.285 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 112 Resp: 1756835
Ion Ratio Lower Upper
112 100
114 32.2 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 150.975 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

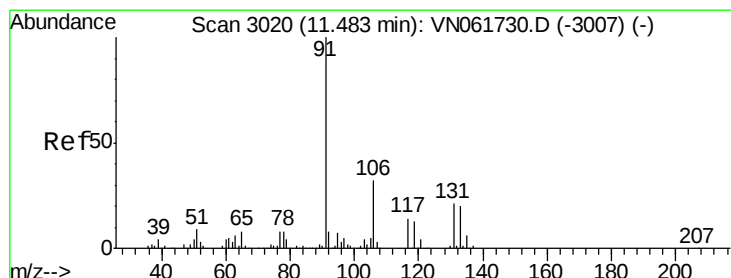
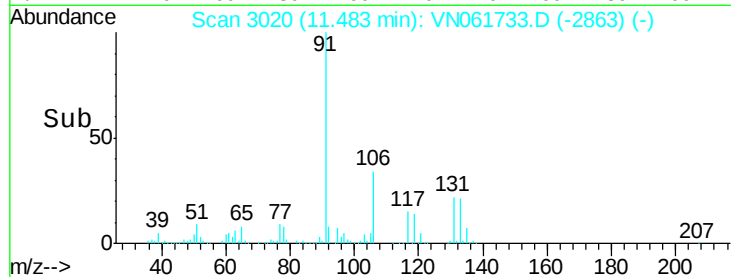
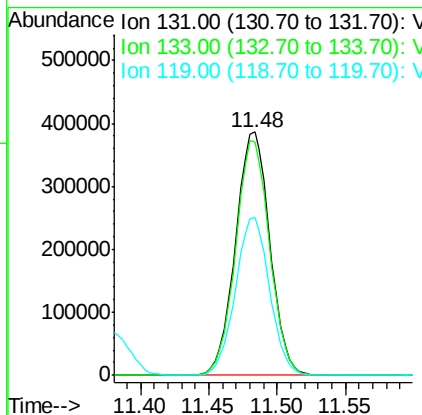
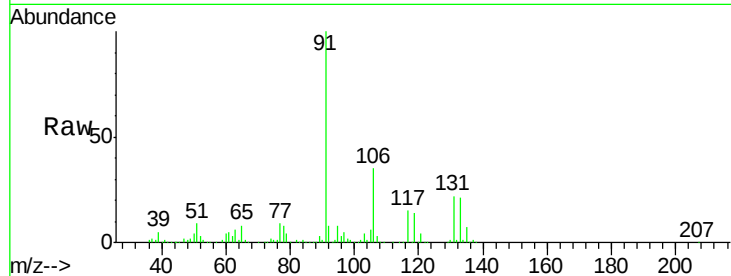
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	675582
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	189.4
119	64.5	0.0	130.8

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM



#66

Ethyl Benzene

Concen: 129.983 ug/l

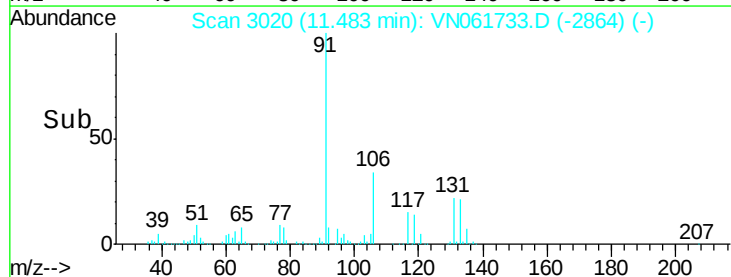
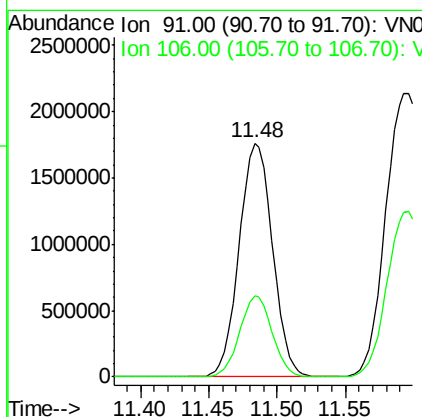
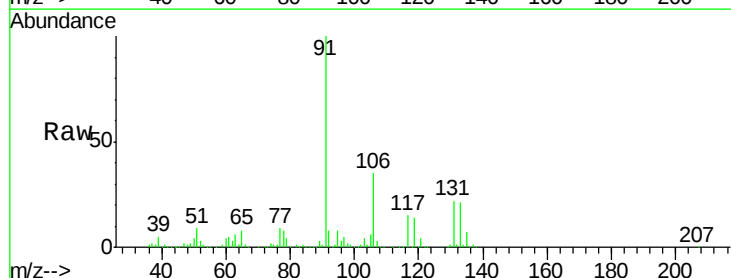
RT: 11.48 min Scan# 3020

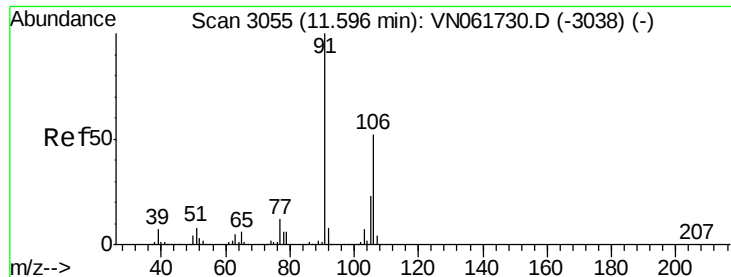
Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Tgt Ion:	91	Resp:	2999044
Ion Ratio	Lower	Upper	
91	100		
106	34.7	25.7	38.5





#67

m/p-Xylenes

Concen: 283.281 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 2447101

Ion Ratio Lower Upper

106 100

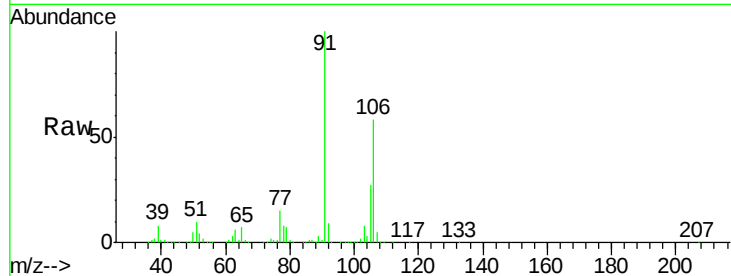
91 180.1 156.2 234.4

Manual Integrations

APPROVED

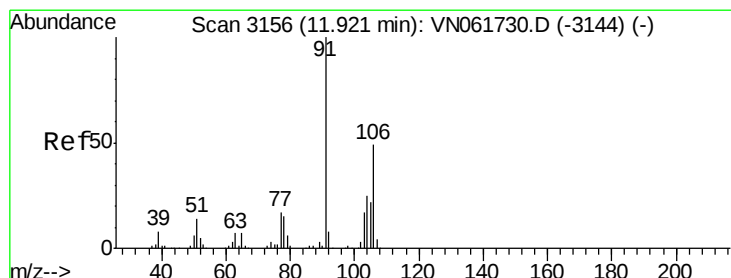
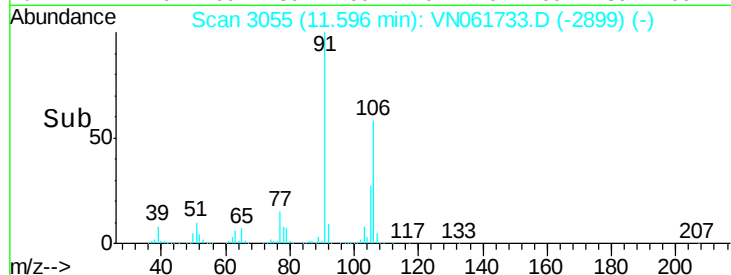
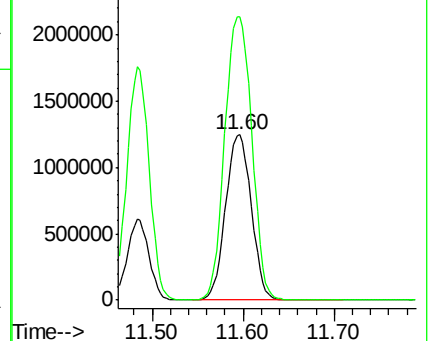
MMDadoda

6/11/2020 12:44:34 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 143.130 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061733.D

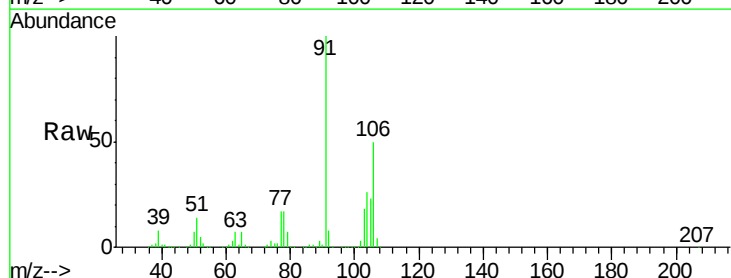
Acq: 10 Jun 2020 12:04

Tgt Ion:106 Resp: 1176081

Ion Ratio Lower Upper

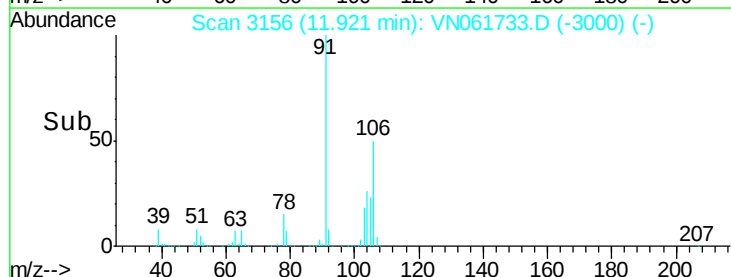
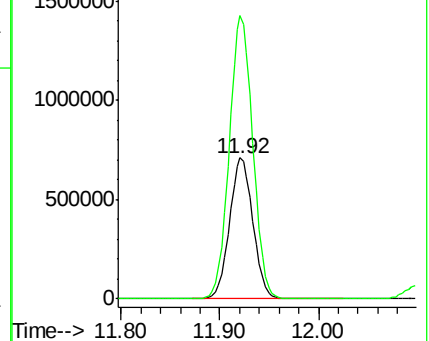
106 100

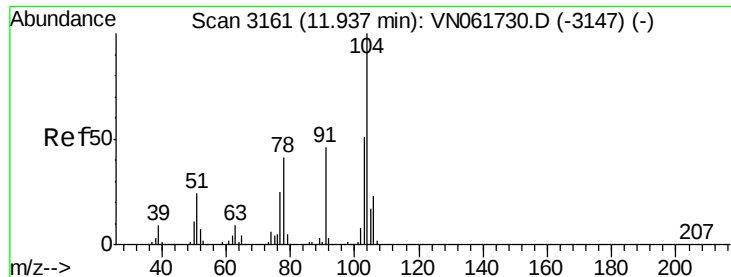
91 202.3 101.9 305.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





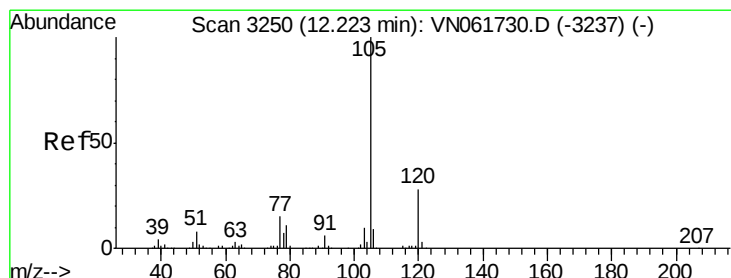
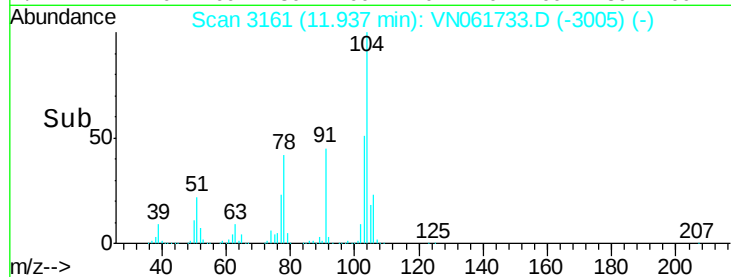
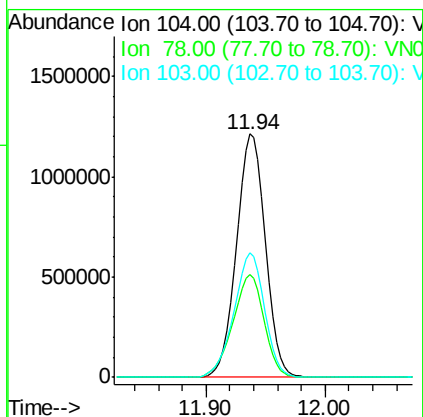
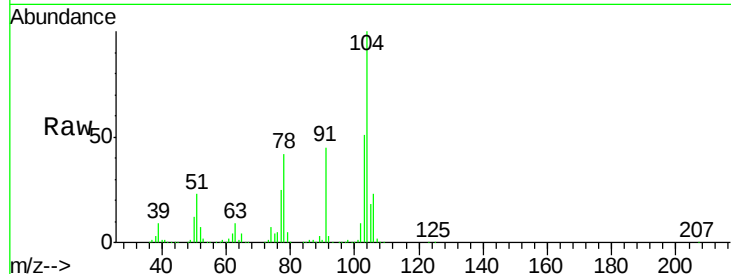
#69
Stvrene
Concen: 144.790 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.8	36.5	54.7
103	54.2	43.4	65.2

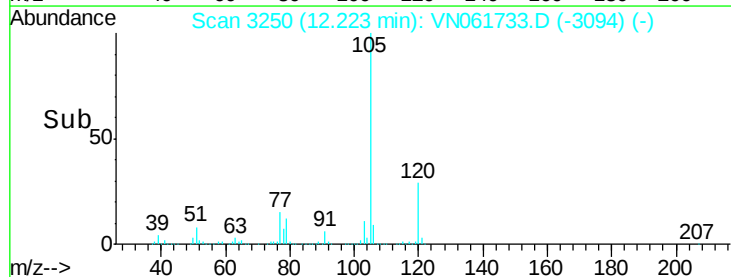
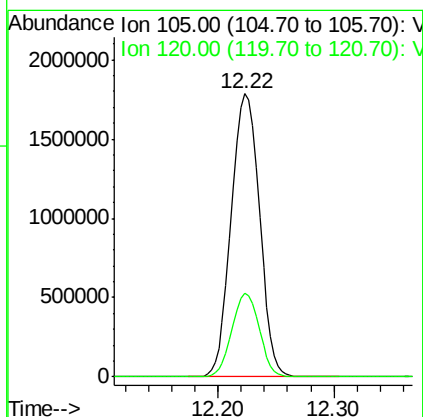
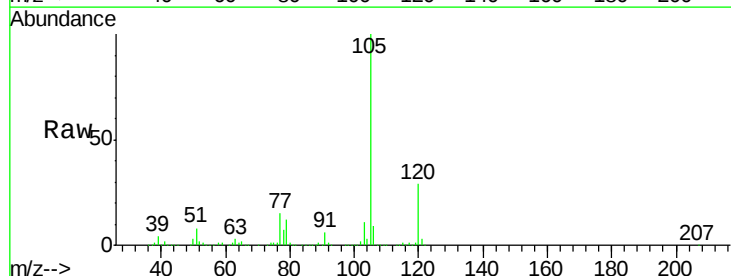
Manual Integrations
APPROVED

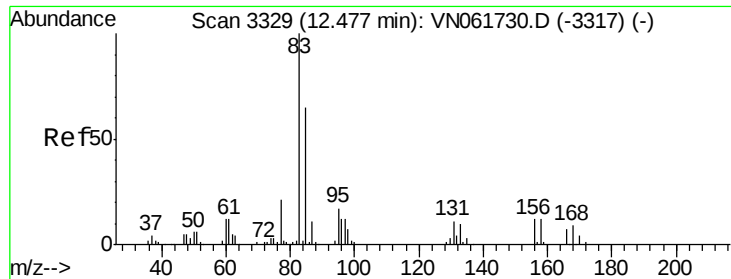
MMDadoda
6/11/2020 12:44:34 PM



#70
Isopropylbenzene
Concen: 135.572 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.4	19.3	35.8





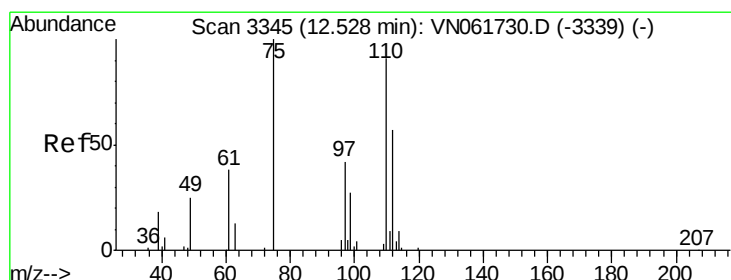
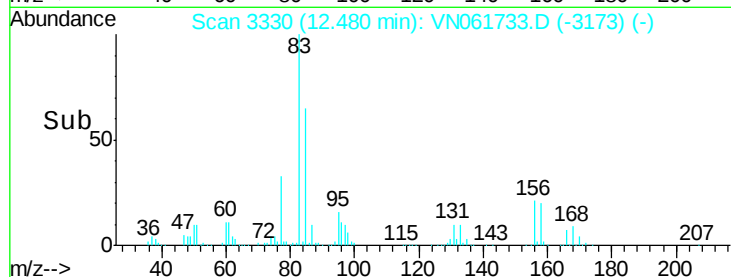
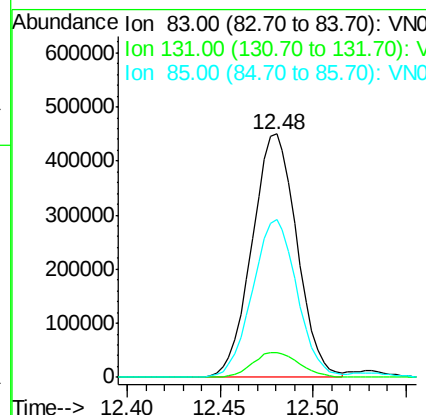
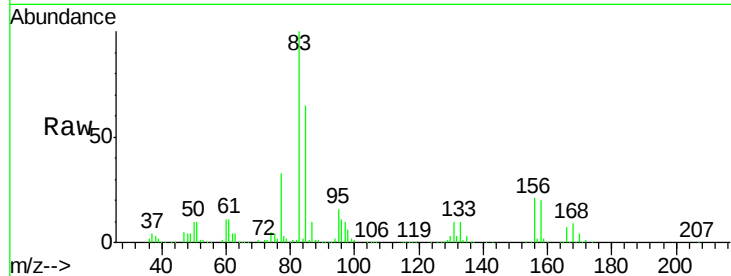
#71
 1,1,2,2-Tetrachloroethane
 Concen: 125.305 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.9	5.7	17.0	
85	64.3	33.0	98.9	

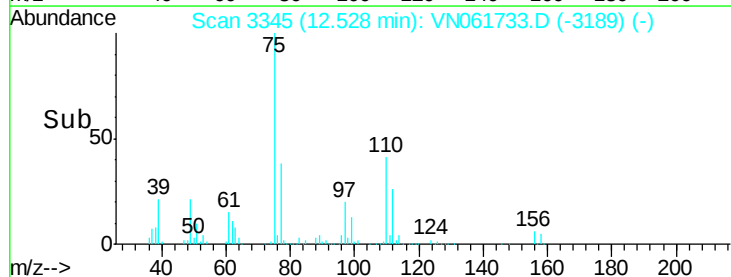
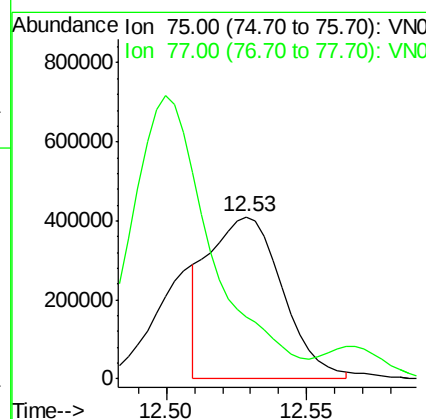
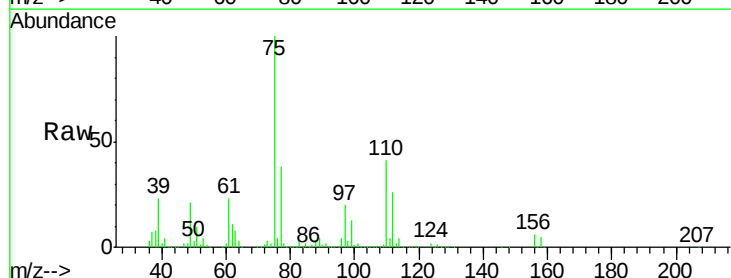
Manual Integrations
 APPROVED

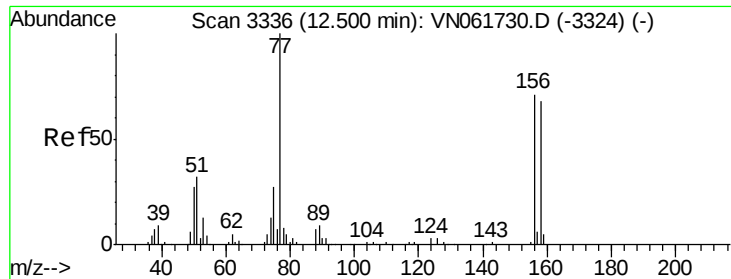
MMDadoda
 6/11/2020 12:44:34 PM



#72
 1,2,3-Trichloropropane
 Concen: 131.445 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	189.3	0.0	371.8	





#73

Bromobenzene

Concen: 171.639 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

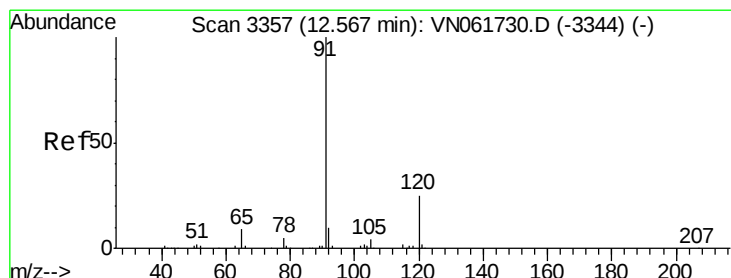
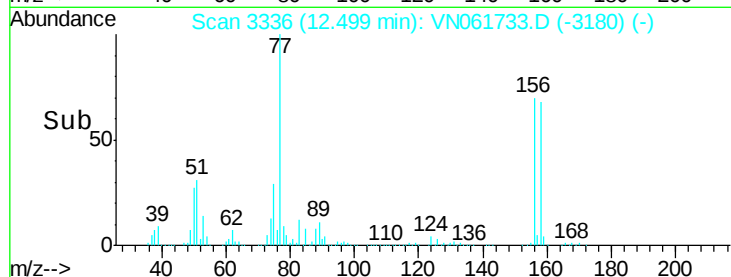
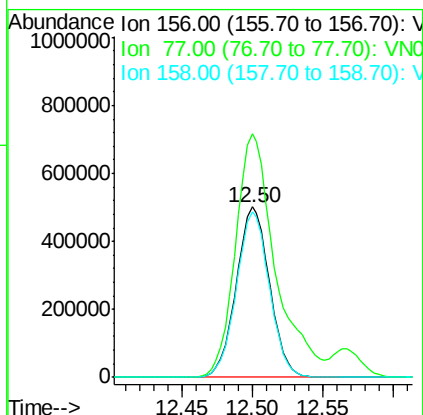
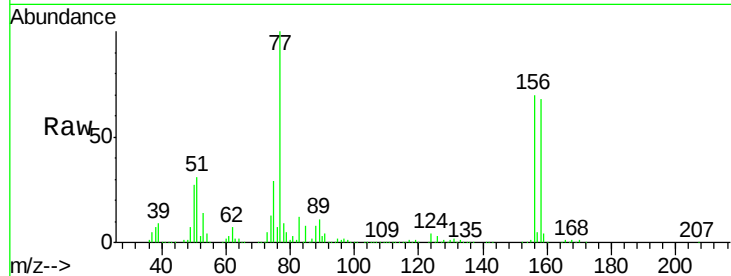
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		829944		
77	171.7	0.0	350.0		
158	96.3	0.0	195.4		

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM



#74

n-propylbenzene

Concen: 127.337 ug/l

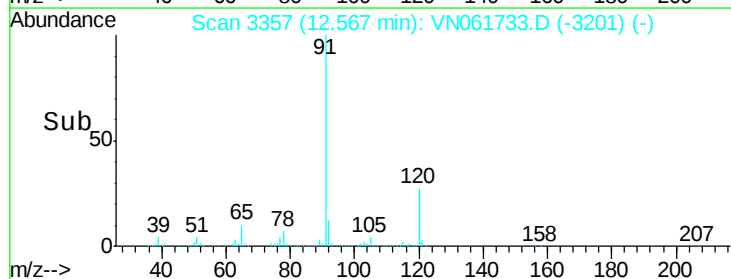
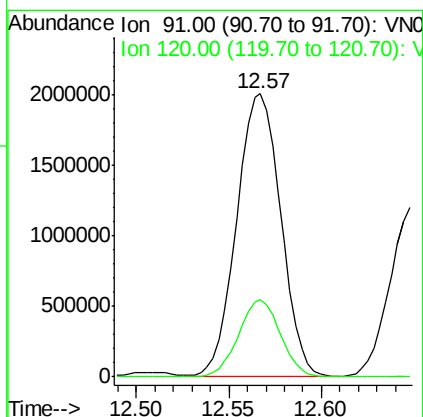
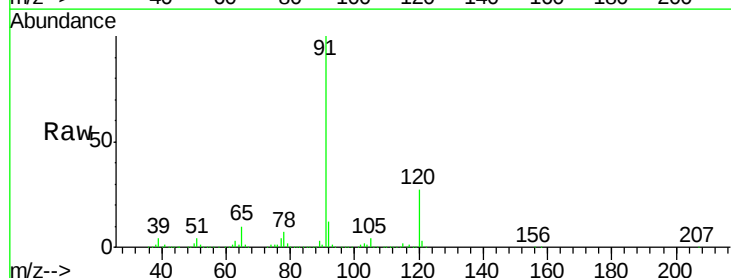
RT: 12.57 min Scan# 3357

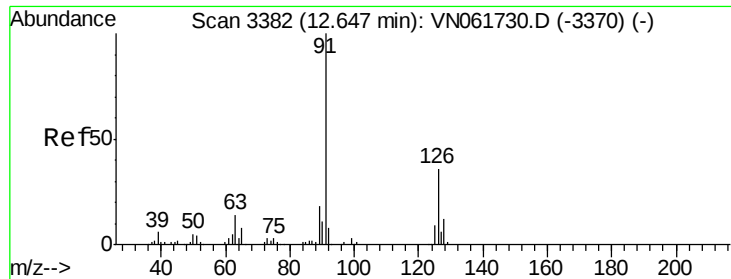
Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		3337371		
120	25.8	0.0	48.4		





#75

2-Chlorotoluene

Concen: 134.311 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2017795

Ion Ratio Lower Upper

91 100

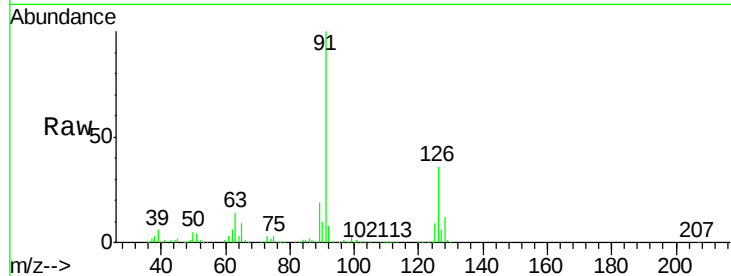
126 36.4 0.0 72.0

Manual Integrations

APPROVED

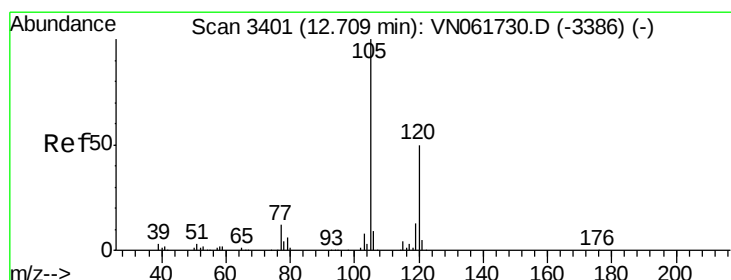
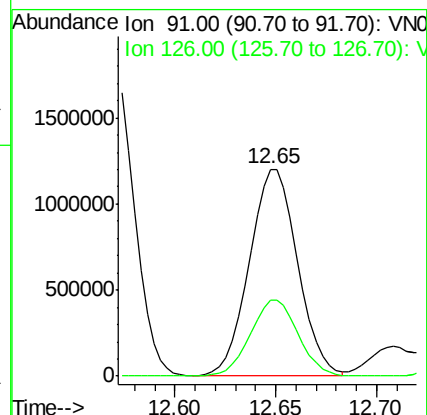
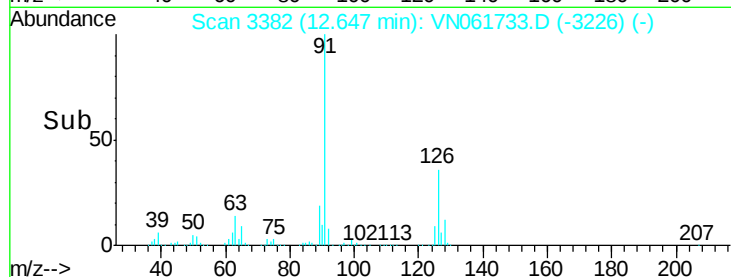
MMDadoda

6/11/2020 12:44:34 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061733.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061733.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 136.981 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061733.D

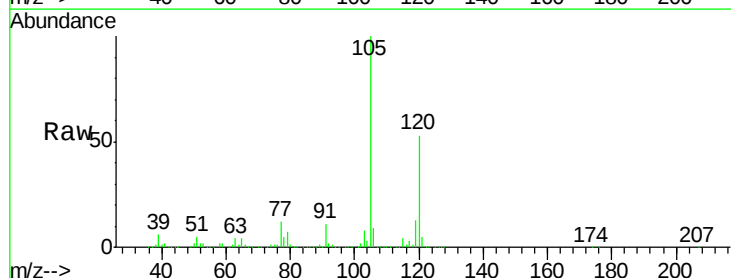
Acq: 10 Jun 2020 12:04

Tgt Ion: 105 Resp: 2548501

Ion Ratio Lower Upper

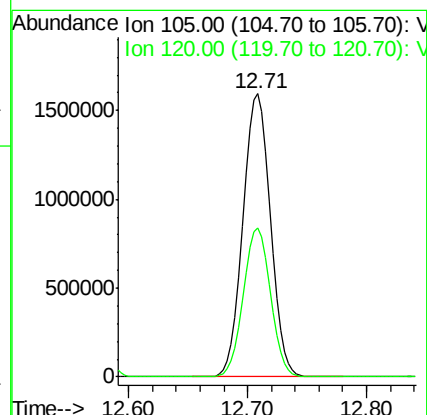
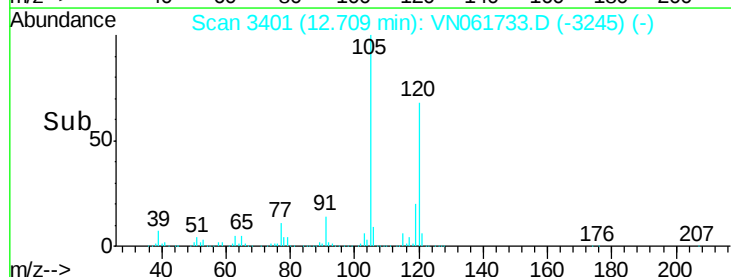
105 100

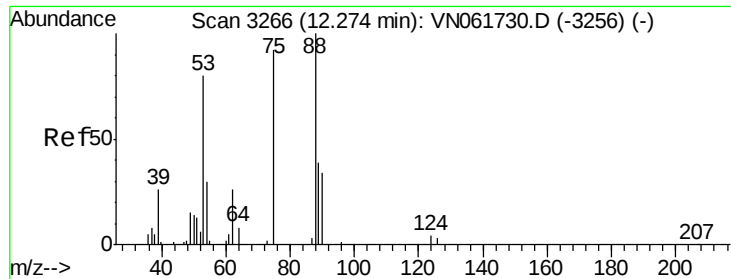
120 52.0 0.0 101.6



Abundance Ion 105.00 (104.70 to 105.70): VN061733.D (-3386) (-)

Ion 120.00 (119.70 to 120.70): VN061733.D (-3386) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 129.593 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

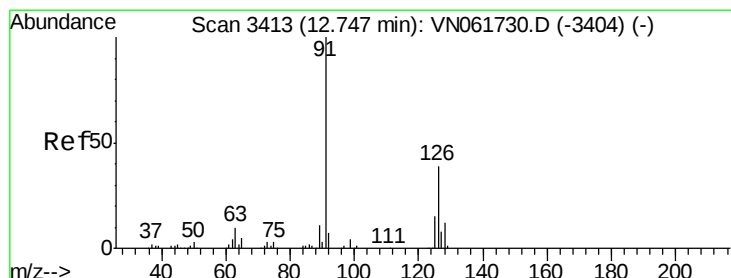
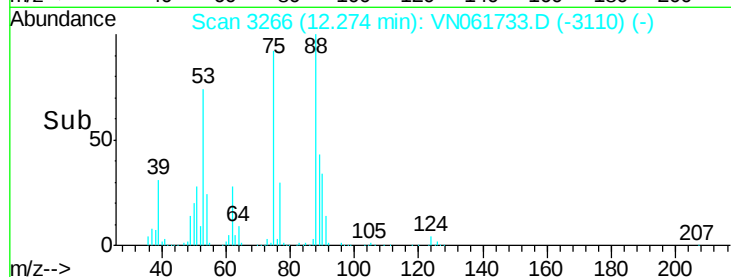
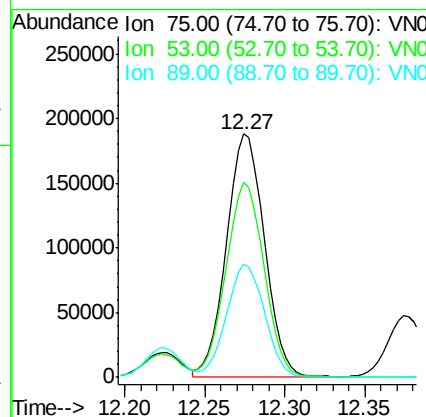
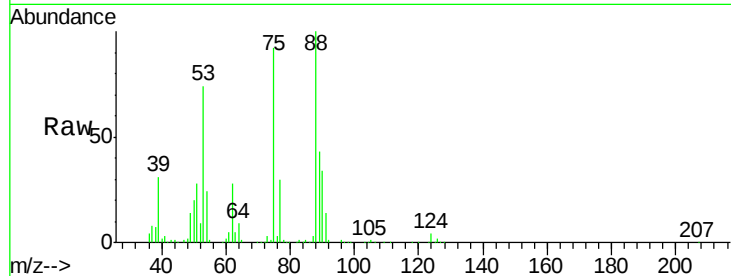
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	306469
Ion Ratio	Lower	Upper	
75	100		
53	79.8	43.8	131.4
89	46.5	23.1	69.2

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM



#78

4-Chlorotoluene

Concen: 135.358 ug/l

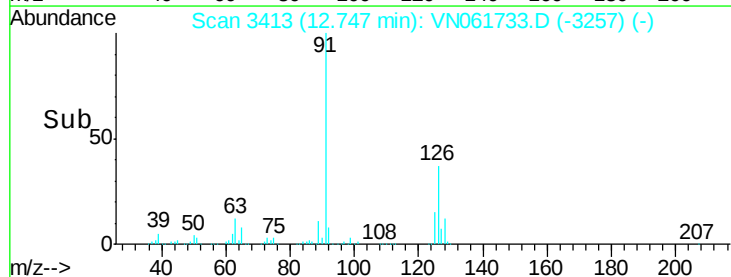
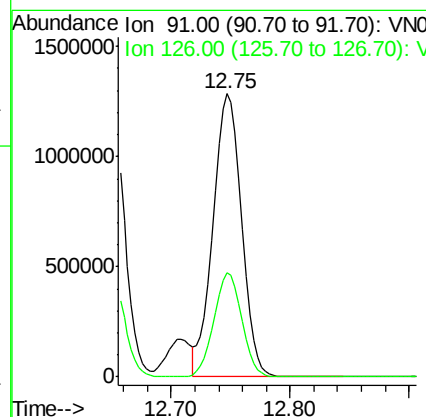
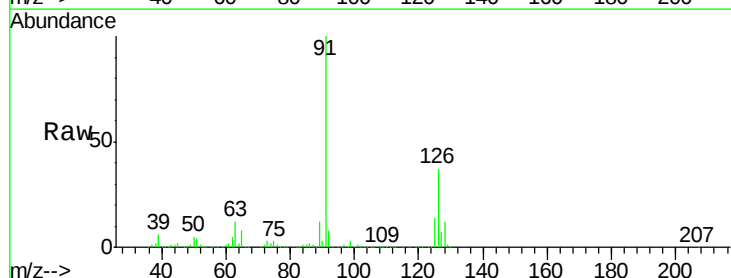
RT: 12.75 min Scan# 3413

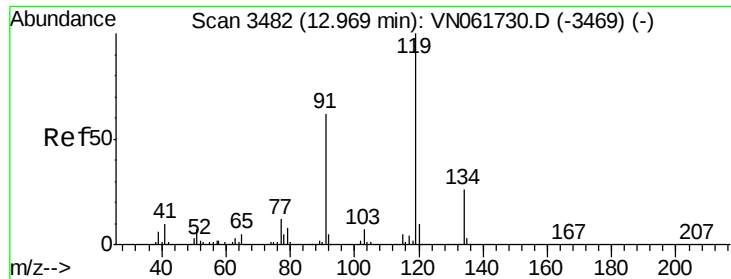
Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Tgt Ion:	91	Resp:	2134064
Ion Ratio	Lower	Upper	
91	100		
126	35.8	0.0	70.4





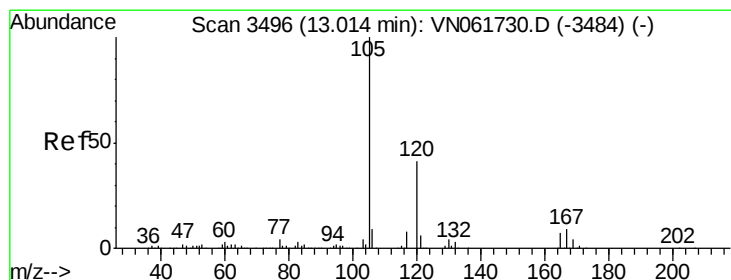
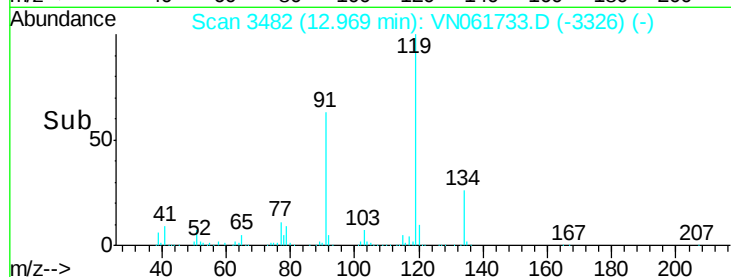
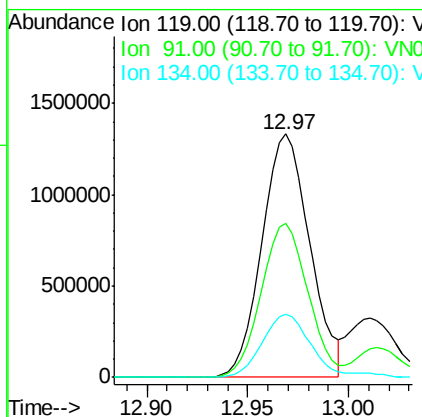
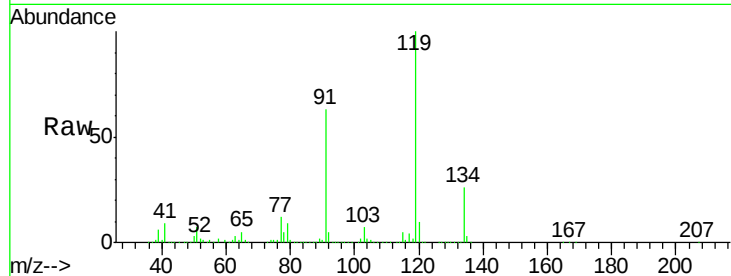
#79
tert-butylbenzene
Concen: 142.131 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2201960
Ion Ratio Lower Upper
119 100
91 62.1 0.0 124.6
134 27.0 0.0 51.4

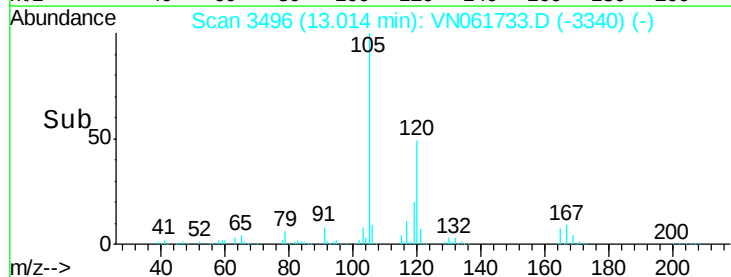
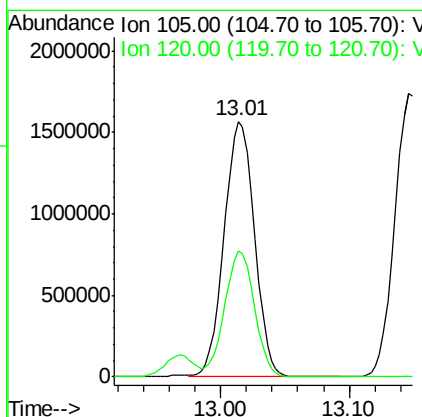
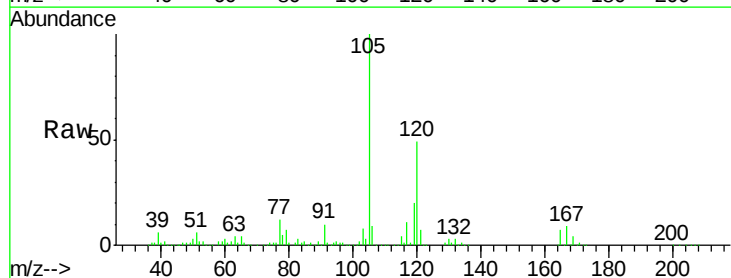
Manual Integrations
APPROVED

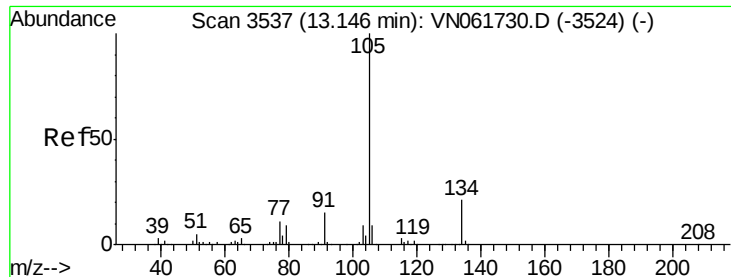
MMDadoda
6/11/2020 12:44:34 PM



#80
1,2,4-Trimethylbenzene
Concen: 137.146 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion:105 Resp: 2558128
Ion Ratio Lower Upper
105 100
120 48.6 0.0 95.4





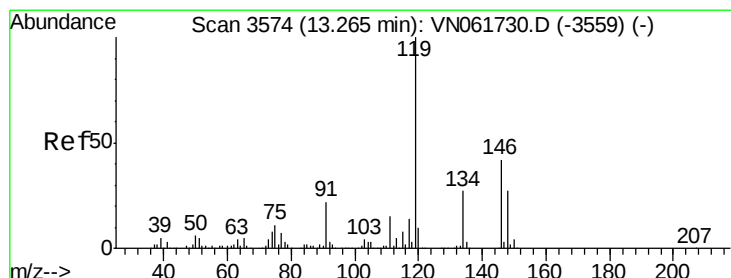
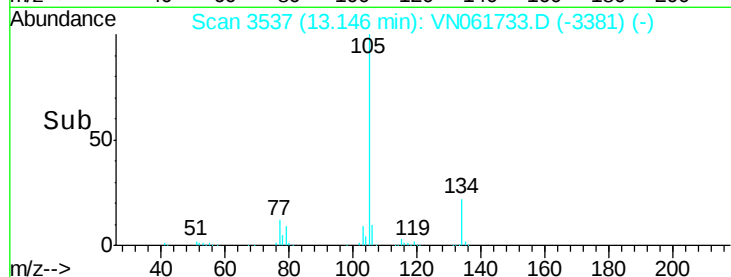
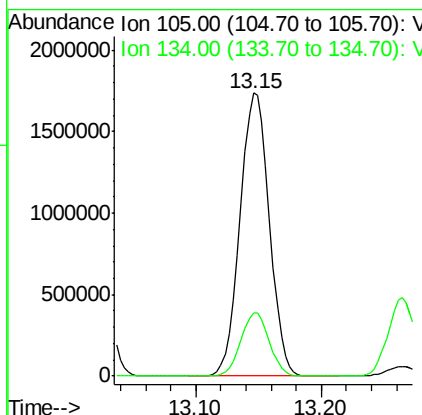
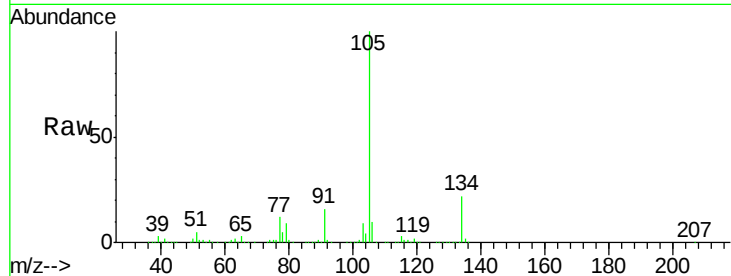
#81
 sec-Butylbenzene
 Concen: 133.122 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2821834
 Ion Ratio Lower Upper
 105 100
 134 21.8 0.0 41.8

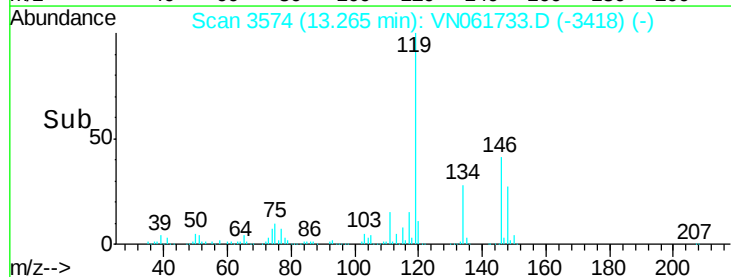
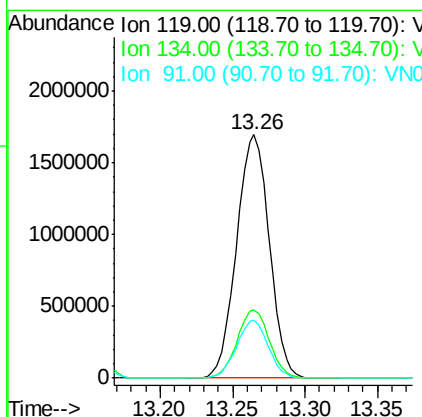
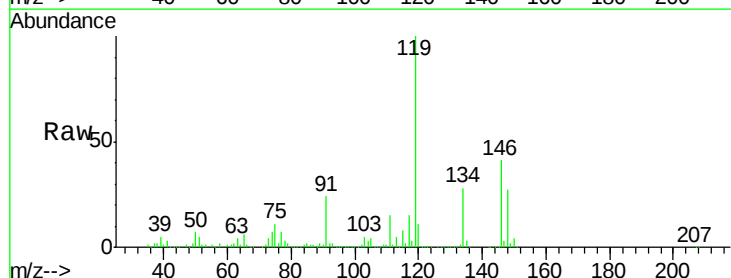
Manual Integrations
 APPROVED

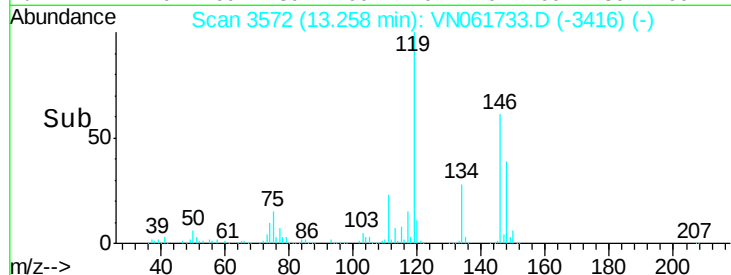
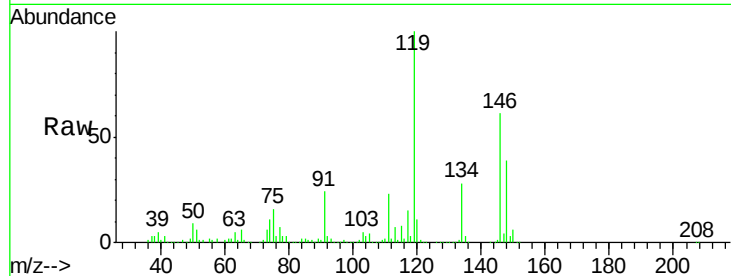
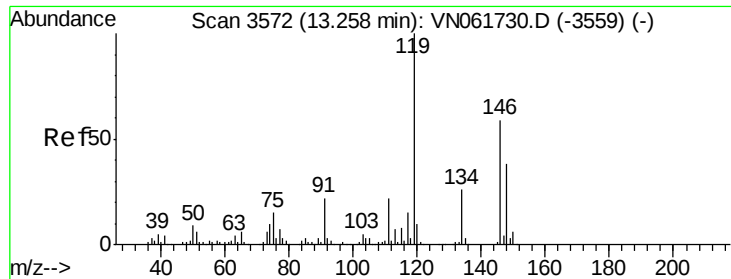
MMDadoda
 6/11/2020 12:44:34 PM



#82
 p-Isopropyltoluene
 Concen: 138.502 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion:119 Resp: 2656094
 Ion Ratio Lower Upper
 119 100
 134 27.6 0.0 53.4
 91 22.8 0.0 45.2





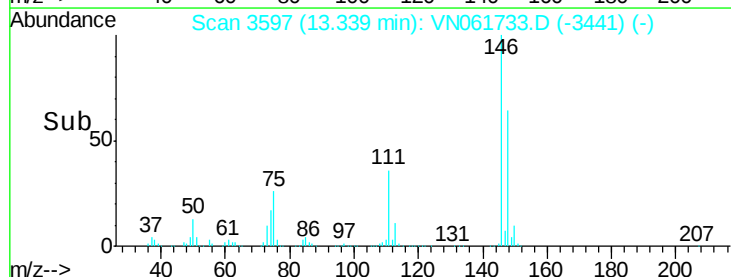
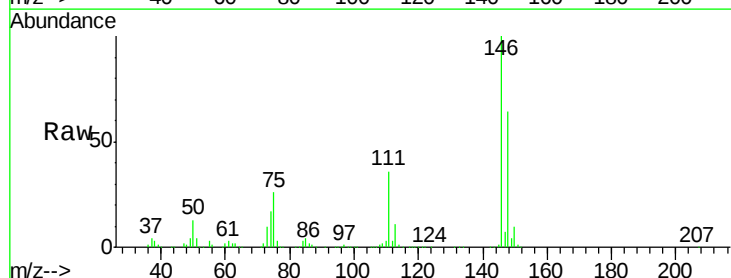
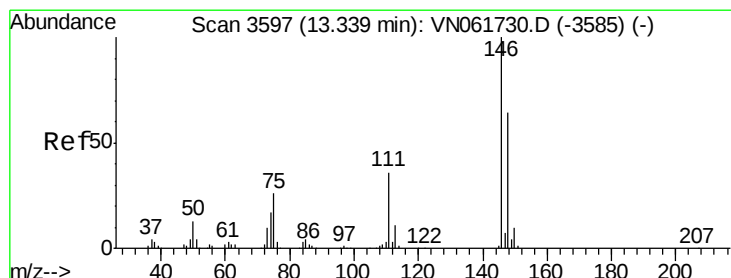
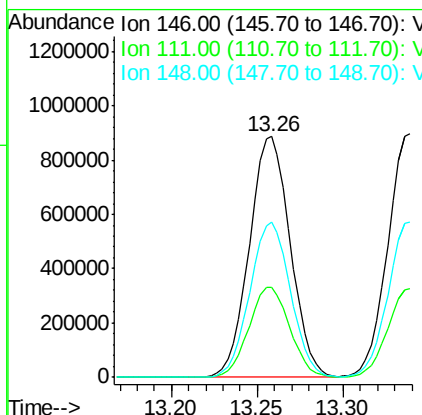
#83
1,3-Dichlorobenzene
Concen: 163.717 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tot Ion:146 Resp: 1462961
Ion Ratio Lower Upper
146 100
111 37.4 18.7 56.1
148 64.1 31.9 95.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

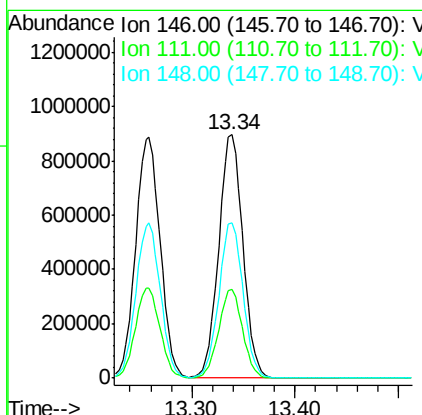
Manual Integrations
APPROVED

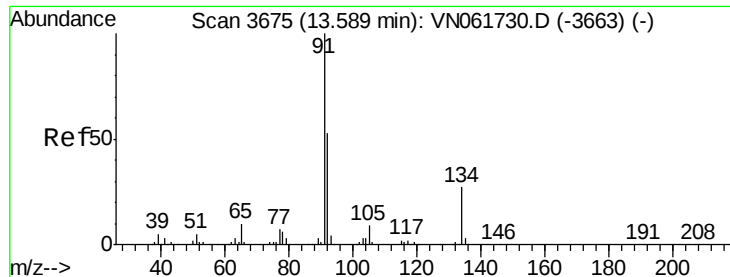
MMDadoda
6/11/2020 12:44:34 PM



#84
1,4-Dichlorobenzene
Concen: 166.197 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion:146 Resp: 1461738
Ion Ratio Lower Upper
146 100
111 35.7 18.6 55.8
148 63.7 32.2 96.6





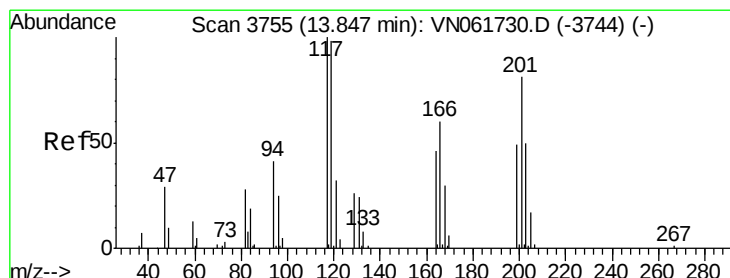
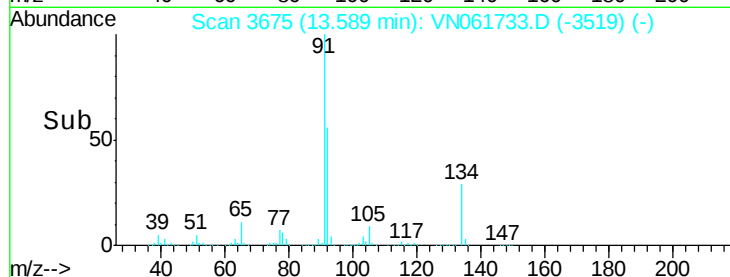
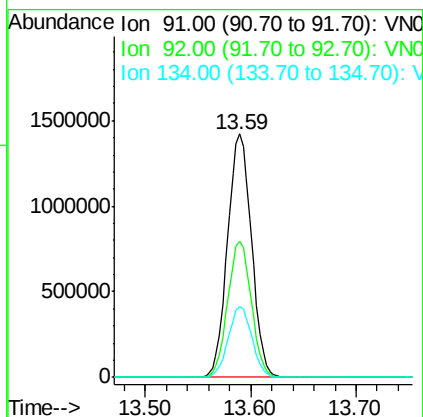
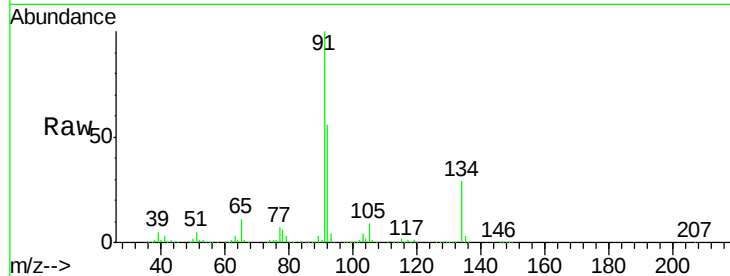
#85
n-Butylbenzene
Concen: 128.076 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2230247
Ion Ratio Lower Upper
91 100
92 55.1 0.0 107.2
134 28.7 0.0 55.8

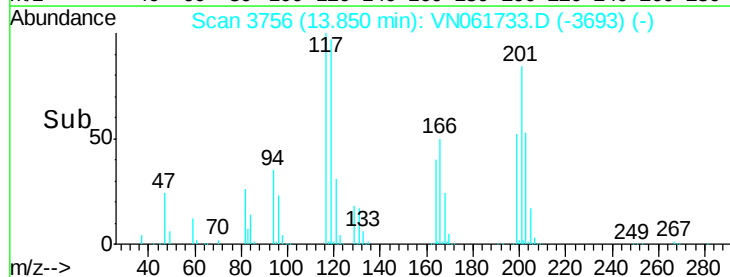
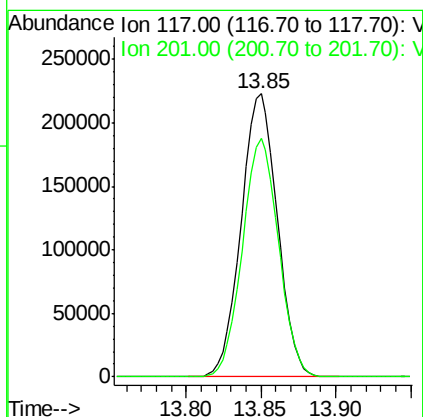
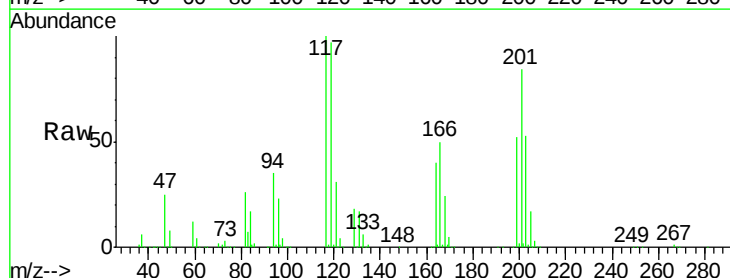
Manual Integrations
APPROVED

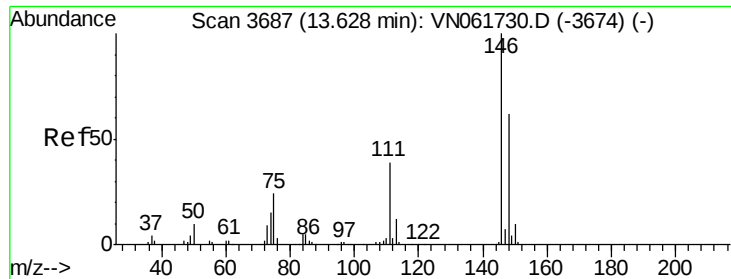
MMDadoda
6/11/2020 12:44:34 PM



#86
Hexachloroethane
Concen: 142.007 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 117 Resp: 375794
Ion Ratio Lower Upper
117 100
201 84.0 39.1 117.5





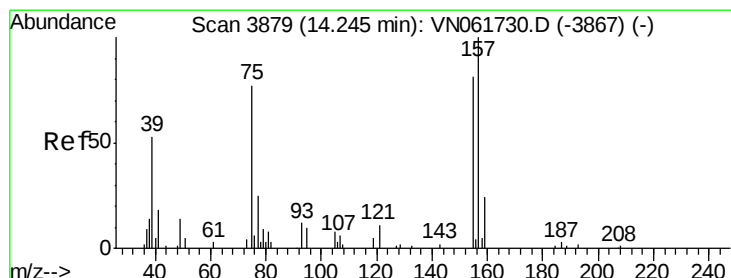
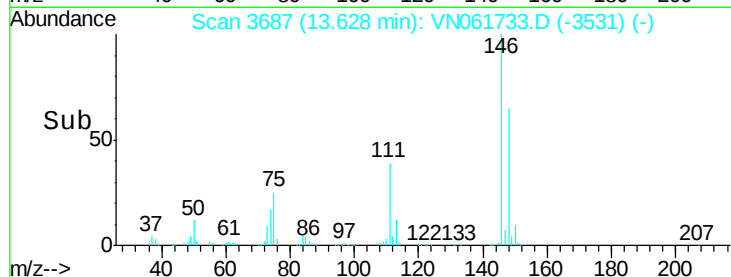
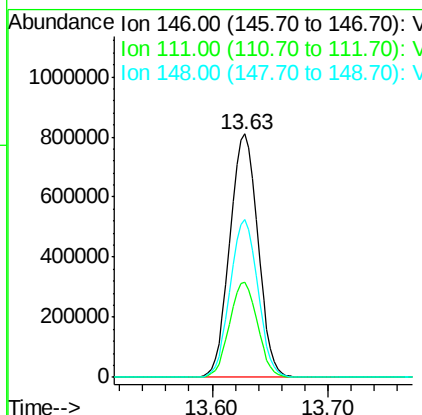
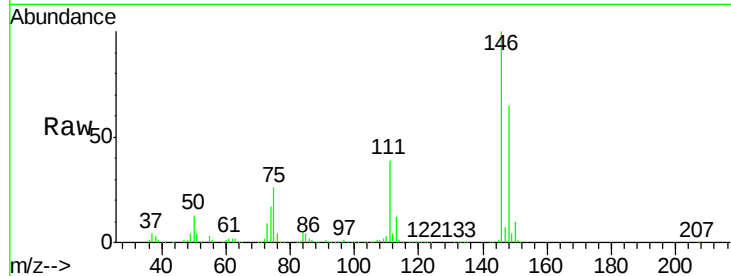
#87
 1,2-Dichlorobenzene
 Concen: 160.304 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1356609
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.3 57.9
 148 64.1 31.4 94.0

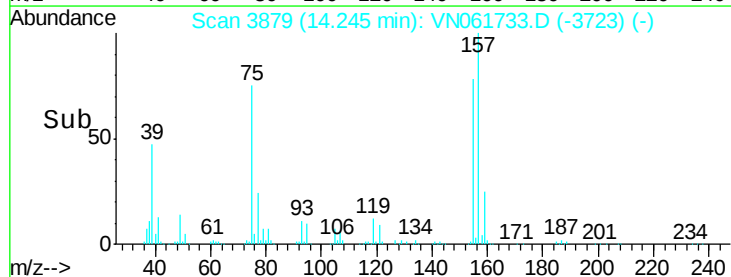
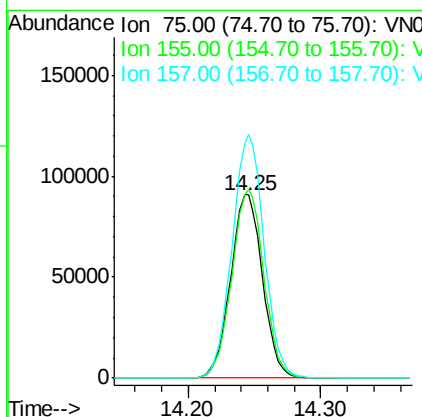
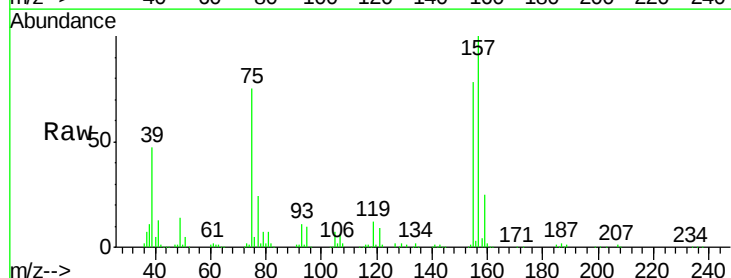
Manual Integrations
 APPROVED

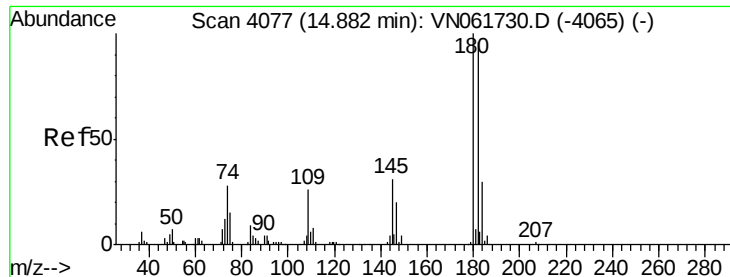
MMDadoda
 6/11/2020 12:44:34 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 121.632 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 75 Resp: 152465
 Ion Ratio Lower Upper
 75 100
 155 102.9 79.6 119.4
 157 132.6 100.8 151.2





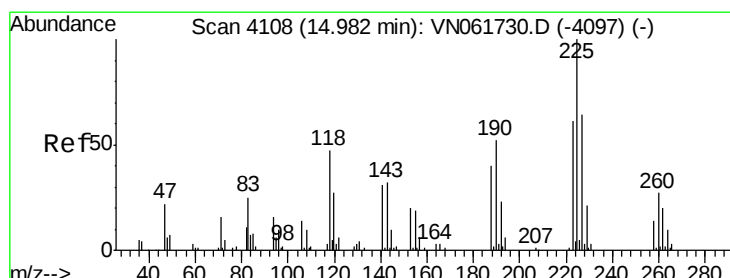
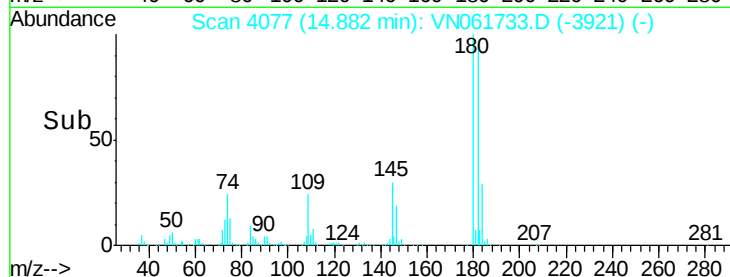
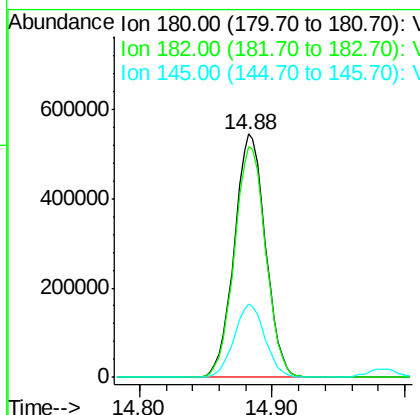
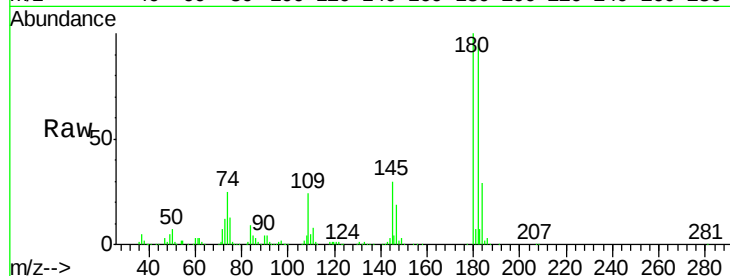
#89
 1,2,4-Trichlorobenzene
 Concen: 183.842 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	886157		
182	95.5	75.6	113.4	
145	29.8	24.5	36.7	

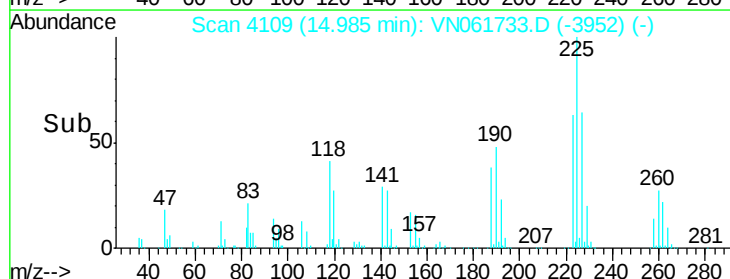
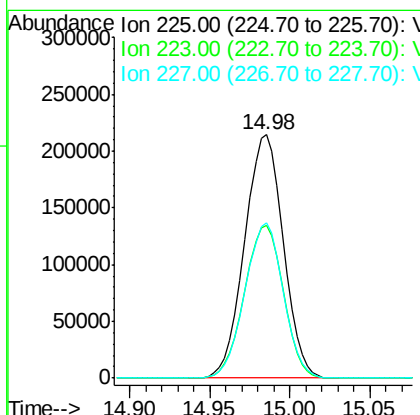
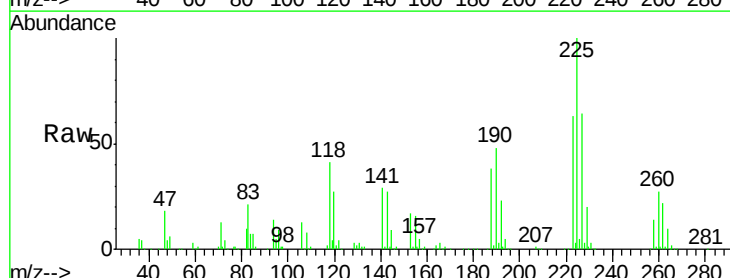
Manual Integrations
 APPROVED

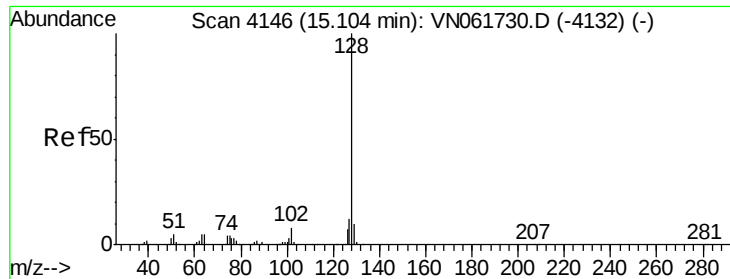
MMDadoda
 6/11/2020 12:44:34 PM



#90
 Hexachlorobutadiene
 Concen: 175.499 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	354281		
223	63.2	0.0	121.6	
227	63.0	0.0	126.8	





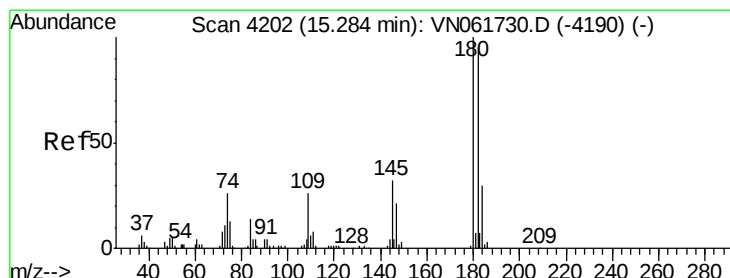
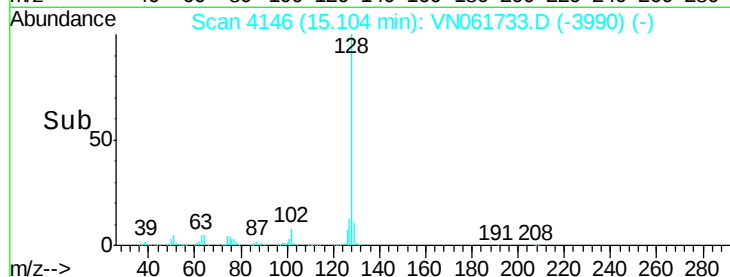
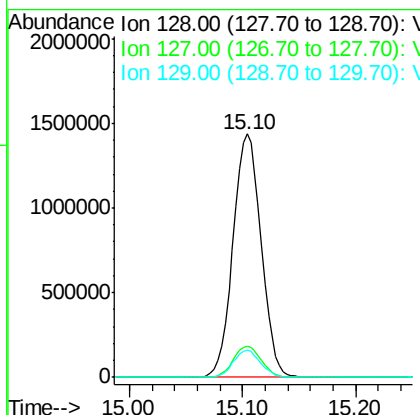
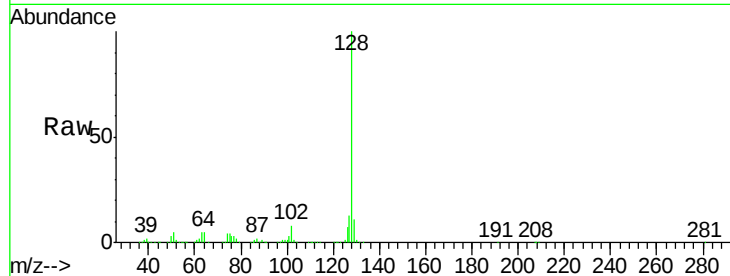
#91
Naphthalene
Concen: 167.010 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:34 PM



#92
1,2,3-Trichlorobenzene
Concen: 180.942 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	191.0
145	31.5	0.0	64.6

