

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061559.D
 Acq On : 29 May 2020 12:05
 Operator : JC/MD
 Sample : VN0529WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/1/2020 12:29:51 PM

Quant Time: May 30 06:29:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	325113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	551767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	521532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	251234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	205818	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.54	113	153667	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.06	98	654101	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.37	95	234816	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	71915	19.867	ug/l	98
3) Chloromethane	2.03	50	78602	19.822	ug/l	99
4) Vinyl Chloride	2.16	62	105001	19.323	ug/l	97
5) Bromomethane	2.54	94	64504	20.687	ug/l	99
6) Chloroethane	2.67	64	68393	19.554	ug/l	99
7) Trichlorofluoromethane	2.98	101	140860	20.102	ug/l	99
8) Diethyl Ether	3.37	74	41670	19.448	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61401	19.746	ug/l	99
10) Methyl Iodide	3.91	142	81486	18.877	ug/l	99
11) Tert butyl alcohol	4.73	59	61608	119.576	ug/l	98
12) 1,1-Dichloroethene	3.69	96	60922	18.338	ug/l	96
13) Acrolein	3.56	56	15034	79.874	ug/l	95
14) Allyl chloride	4.27	41	82086	18.900	ug/l	98
15) Acrylonitrile	4.93	53	140786	97.898	ug/l	99
16) Acetone	3.77	43	118710	107.670	ug/l	98
17) Carbon Disulfide	4.00	76	146860	20.093	ug/l	99
18) Methyl Acetate	4.27	43	67377	19.215	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	223222	19.716	ug/l	99
20) Methylene Chloride	4.50	84	70666	18.993	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	69286	18.494	ug/l	97
22) Diisopropyl ether	5.90	45	187693	19.608	ug/l	98
23) Vinyl Acetate	5.84	43	752056	98.573	ug/l	99
24) 1,1-Dichloroethane	5.79	63	115848	19.085	ug/l	99
25) 2-Butanone	6.78	43	179856	97.973	ug/l	100
26) 2,2-Dichloropropane	6.77	77	109976	19.795	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	81824	19.288	ug/l	97
28) Bromochloromethane	7.14	49	51336	21.739	ug/l	99
29) Tetrahydrofuran	7.16	42	119881	99.031	ug/l	100
30) Chloroform	7.33	83	130727	19.467	ug/l	99
31) Cyclohexane	7.61	56	107823	19.751	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	116961	19.114	ug/l	99
36) 1,1-Dichloropropene	7.75	75	92302	18.897	ug/l	99
37) Ethyl Acetate	6.88	43	72794	18.503	ug/l	97
38) Carbon Tetrachloride	7.73	117	89164	18.925	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061559.D
 Acq On : 29 May 2020 12:05
 Operator : JC/MD
 Sample : VN0529WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0529WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/1/2020 12:29:51 PM

Quant Time: May 30 06:29:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	116882	19.414	ug/l	98
40) Benzene	8.00	78	288667	19.154	ug/l	100
41) Methacrylonitrile	7.12	41	31515	17.484	ug/l	96
42) 1,2-Dichloroethane	8.08	62	99570	19.734	ug/l	97
43) Isopropyl Acetate	8.12	43	138128	19.515	ug/l	99
44) Trichloroethene	8.80	130	86315	18.636	ug/l	98
45) 1,2-Dichloropropane	9.08	63	70102	19.589	ug/l	99
46) Dibromomethane	9.17	93	53443	19.471	ug/l	95
47) Bromodichloromethane	9.37	83	105073	19.323	ug/l	98
48) Methyl methacrylate	9.17	41	57882	18.176	ug/l	98
49) 1,4-Dioxane	9.16	88	26860	544.454	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	385334	96.607	ug/l	99
52) Toluene	10.12	92	189821	19.297	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	112746	19.247	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	120677	19.159	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	77057	19.662	ug/l	96
56) Ethyl methacrylate	10.40	69	104700	19.125	ug/l	99
57) 1,3-Dichloropropane	10.68	76	124408	19.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	237006	101.306	ug/l	99
59) 2-Hexanone	10.72	43	271907	94.921	ug/l	100
60) Dibromochloromethane	10.87	129	85384	19.164	ug/l	100
61) 1,2-Dibromoethane	10.98	107	79868	19.540	ug/l	99
64) Tetrachloroethene	10.60	164	88996	18.128	ug/l	96
65) Chlorobenzene	11.41	112	203548	18.776	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	76122	18.858	ug/l	98
67) Ethyl Benzene	11.48	91	359092	19.165	ug/l	99
68) m/p-Xylenes	11.59	106	280903	37.810	ug/l	99
69) o-Xylene	11.92	106	134794	19.102	ug/l	99
70) Styrene	11.94	104	218622	18.709	ug/l	97
71) Bromoform	12.10	173	54304	17.459	ug/l #	100
73) Isopropylbenzene	12.22	105	356707	19.453	ug/l	99
74) N-amyl acetate	12.04	43	109321	18.931	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	98220	19.114	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	84657m	18.531	ug/l	
77) Bromobenzene	12.50	156	86910	18.568	ug/l	94
78) n-propylbenzene	12.56	91	399813	19.531	ug/l	99
79) 2-Chlorotoluene	12.65	91	234047	19.174	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	297357	19.402	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	32436	18.157	ug/l	98
82) 4-Chlorotoluene	12.75	91	244384	19.031	ug/l	100
83) tert-Butylbenzene	12.97	119	260200	19.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	301970	19.833	ug/l	99
85) sec-Butylbenzene	13.15	105	337780	19.358	ug/l	98
86) p-Isopropyltoluene	13.26	119	315116	19.610	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	156675	18.903	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	158718	18.797	ug/l	98
89) n-Butylbenzene	13.59	91	263532	19.580	ug/l	99
90) Hexachloroethane	13.85	117	37370	21.028	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	151199	19.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19350	18.464	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
Data File : VN061559.D
Acq On : 29 May 2020 12:05
Operator : JC/MD
Sample : VN0529WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

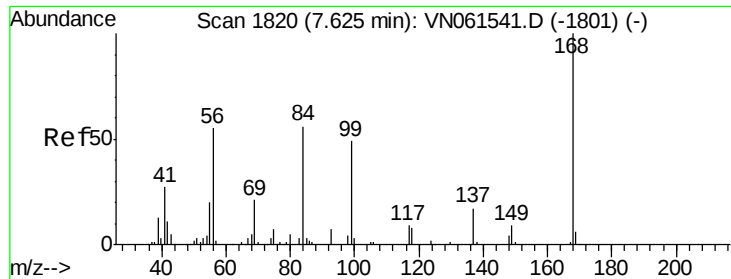
Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM

Quant Time: May 30 06:29:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	86966	18.773	ug/l	98
94) Hexachlorobutadiene	14.98	225	36634	18.542	ug/l	99
95) Naphthalene	15.10	128	263883	18.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	84545	18.562	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion:168 Resp: 325113

Ion Ratio Lower Upper

168 100

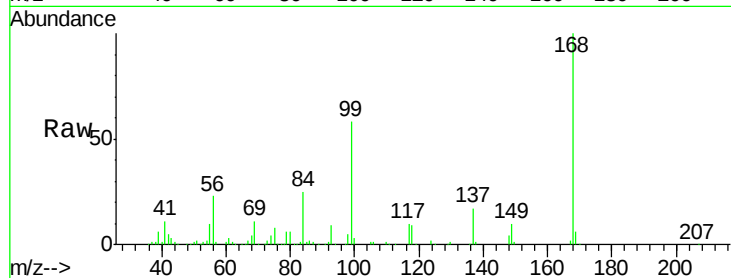
99 58.0 45.0 67.4

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

150000

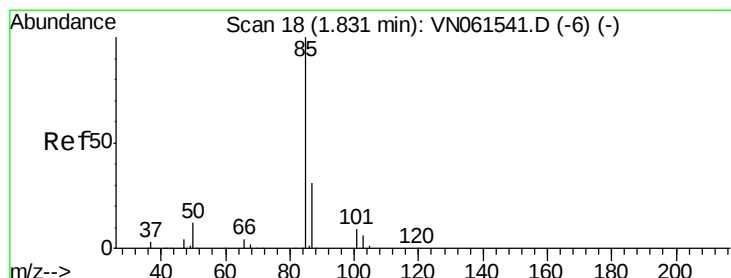
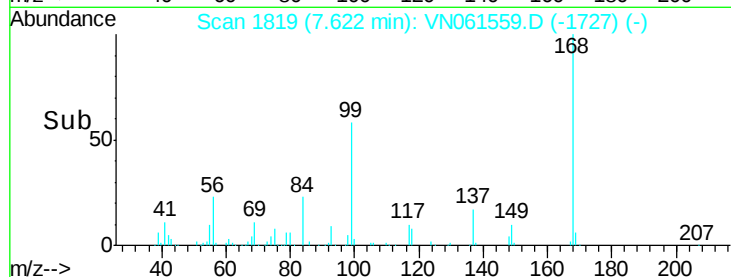
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.867 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061559.D

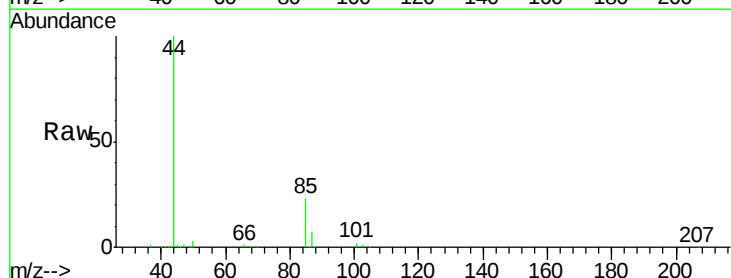
Acq: 29 May 2020 12:05

Tgt Ion: 85 Resp: 71915

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

60000

50000

40000

30000

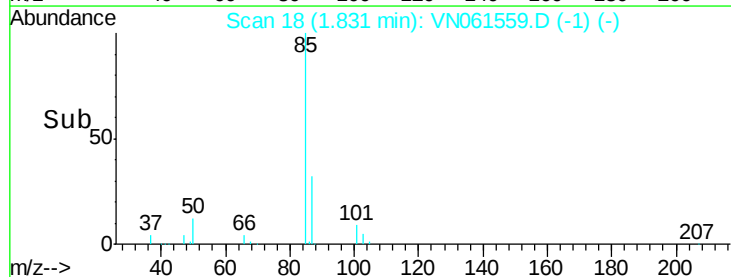
20000

10000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.822 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0529WBSD01

Tot Ion: 50 Resp: 78602

Ion Ratio Lower Upper

50 100

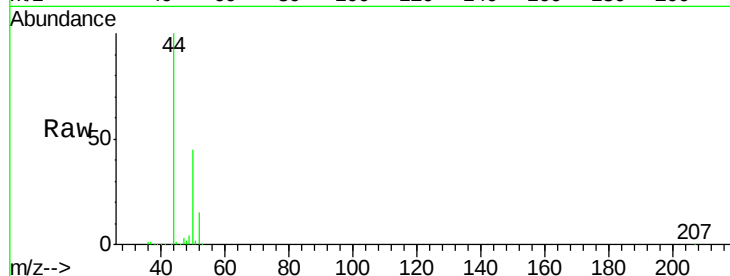
52 34.2 26.7 40.1

Manual Integrations

APPROVED

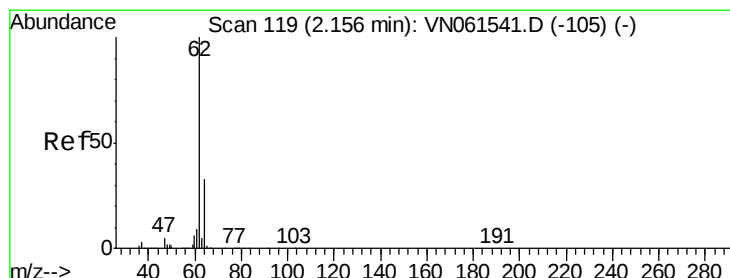
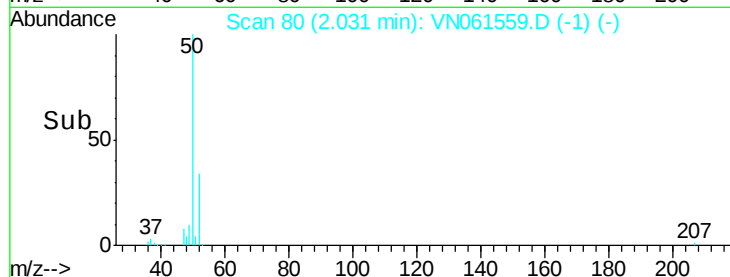
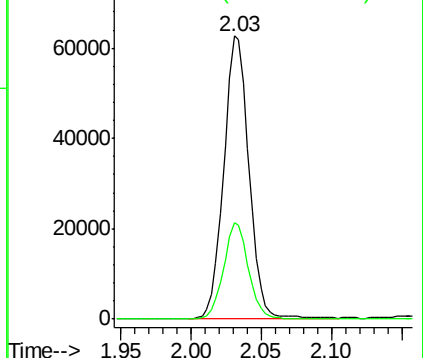
MMDadoda

6/1/2020 12:29:51 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.323 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061559.D

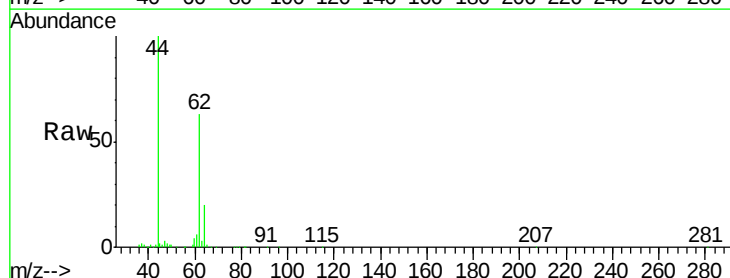
Acq: 29 May 2020 12:05

Tgt Ion: 62 Resp: 105001

Ion Ratio Lower Upper

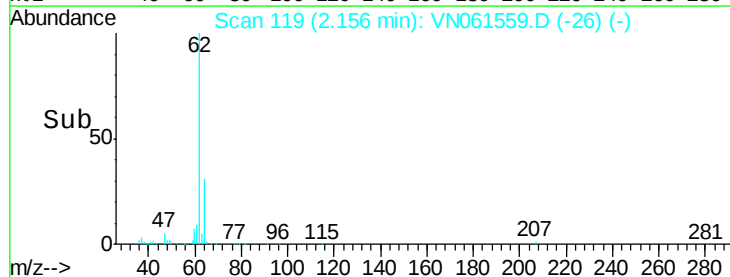
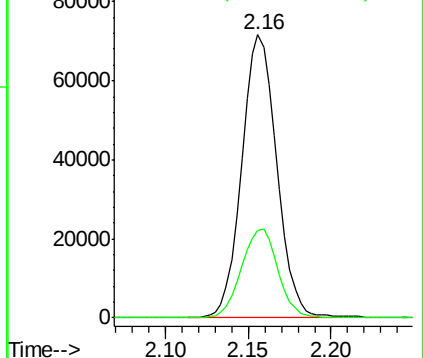
62 100

64 31.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.687 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 94 Resp: 64504

Ion Ratio Lower Upper

94 100

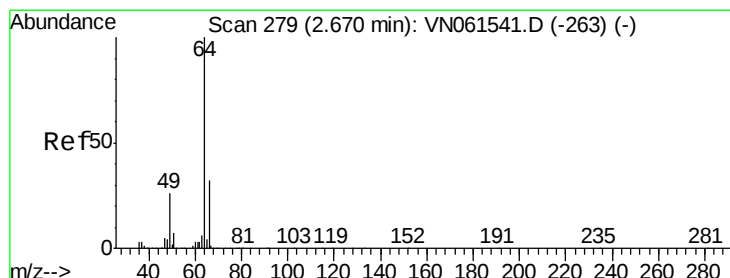
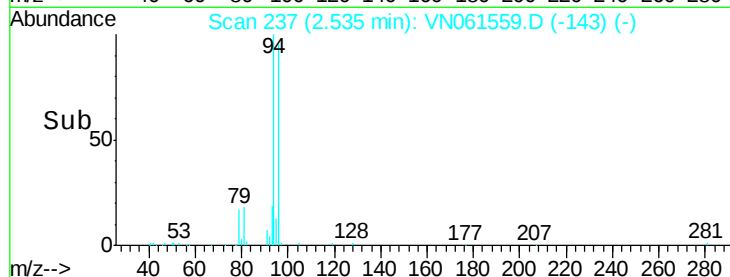
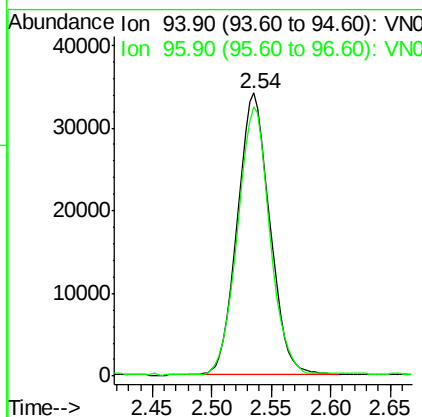
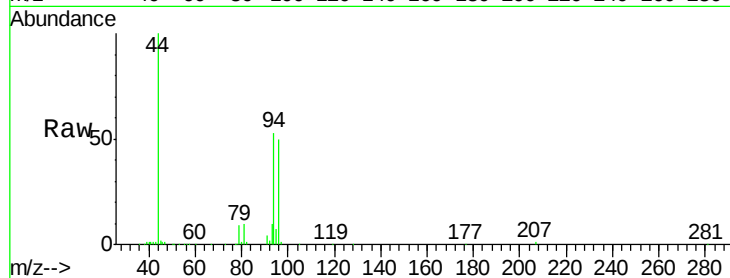
96 94.9 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:51 PM



#6

Chloroethane

Concen: 19.554 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061559.D

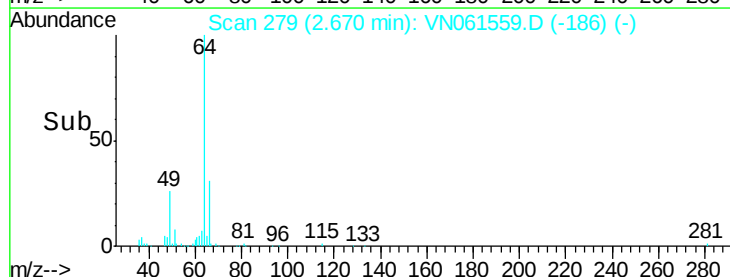
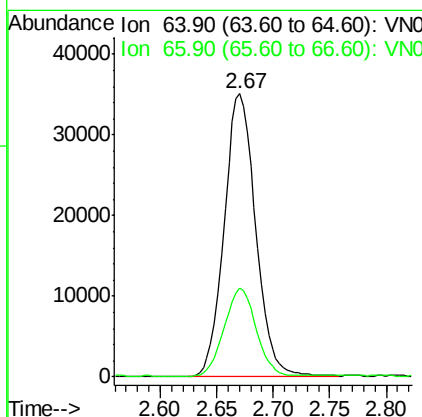
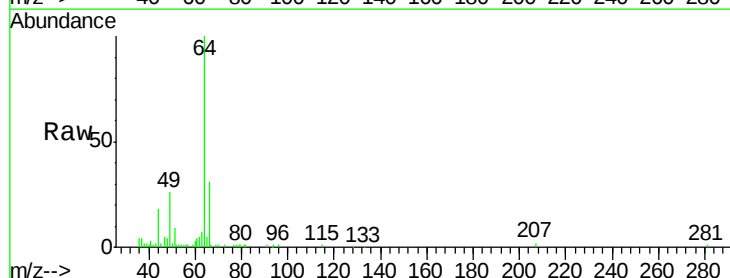
Acq: 29 May 2020 12:05

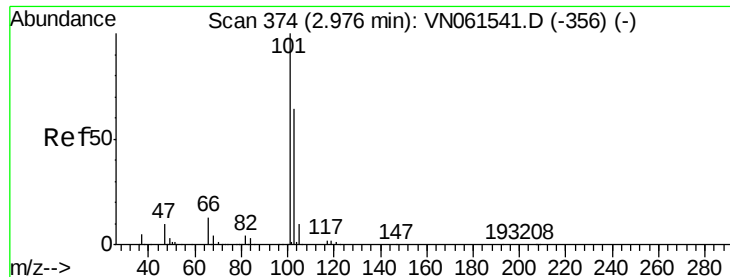
Tgt Ion: 64 Resp: 68393

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





#7

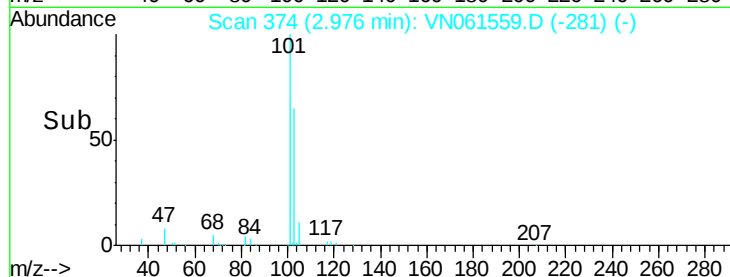
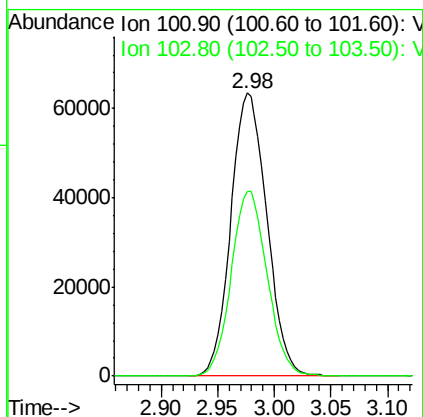
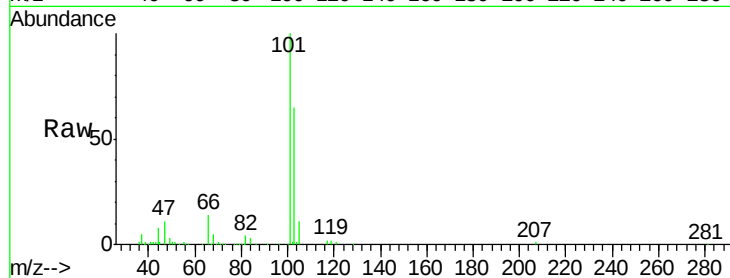
Trichlorofluoromethane
 Concen: 20.102 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.4	77.2

Manual Integrations
 APPROVED

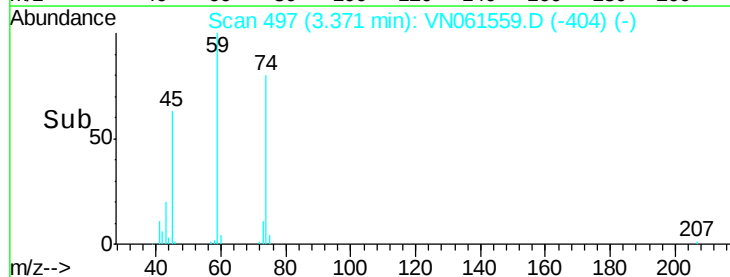
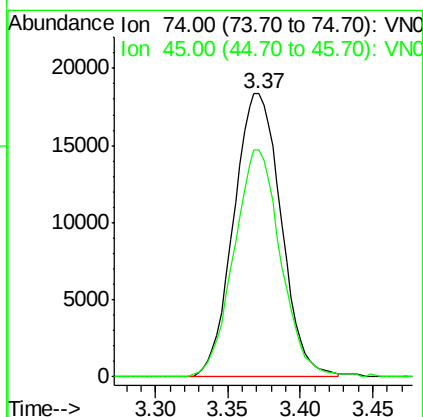
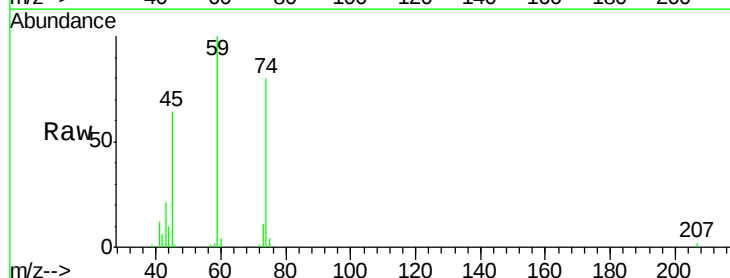
MMDadoda
 6/1/2020 12:29:51 PM



#8

Diethyl Ether
 Concen: 19.448 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.2	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.746 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

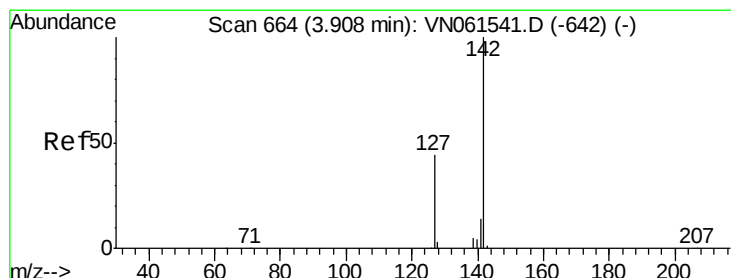
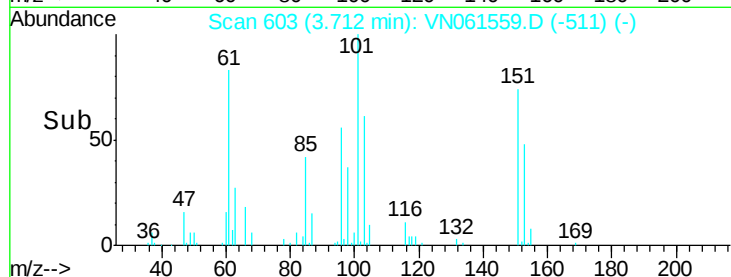
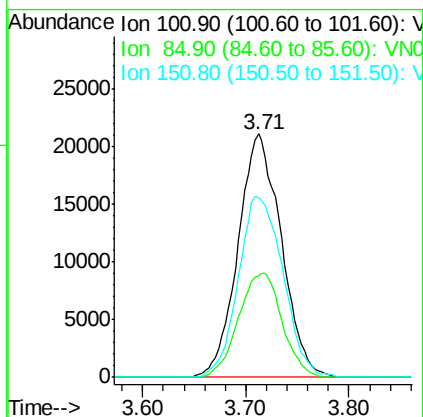
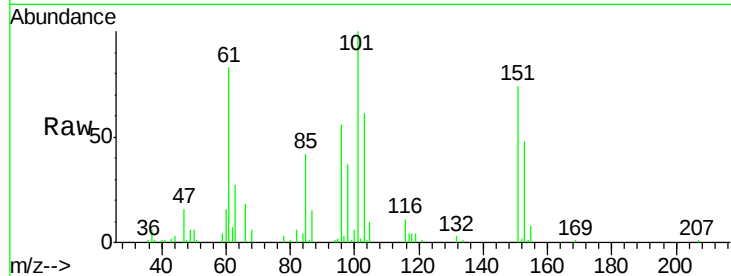
ClientSampleId :

VN0529WBSD01

Tot Ion:	101	Resp:	61401
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.2	52.8
151	76.8	61.0	91.6

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#10

Methyl Iodide

Concen: 18.877 ug/l

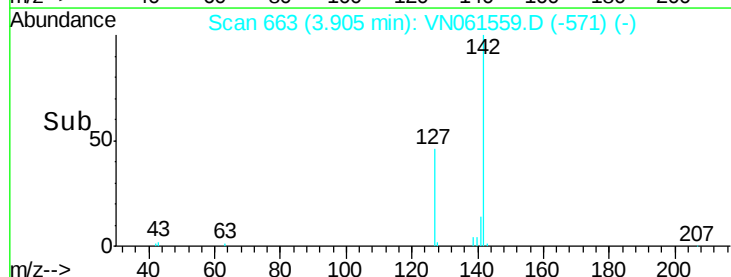
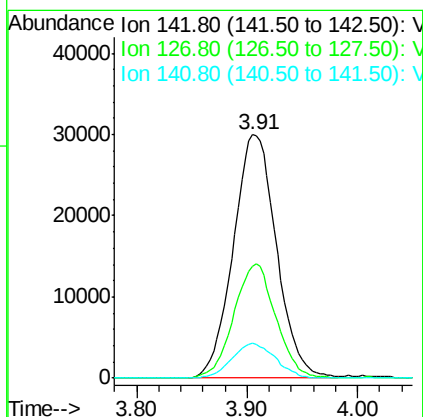
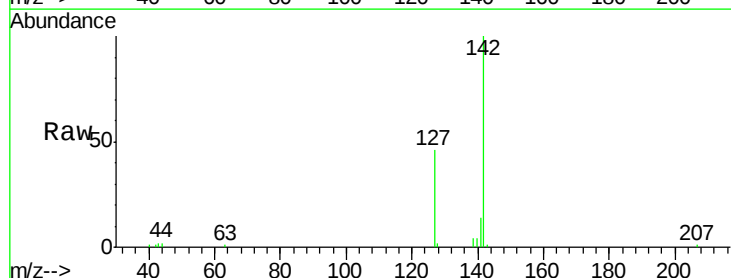
RT: 3.91 min Scan# 663

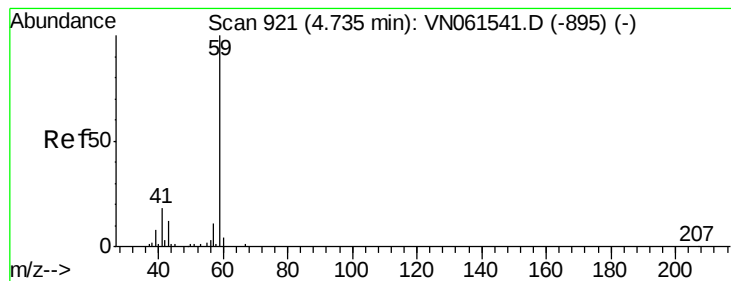
Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	142	Resp:	81486
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.5	53.3
141	14.3	11.5	17.3





#11

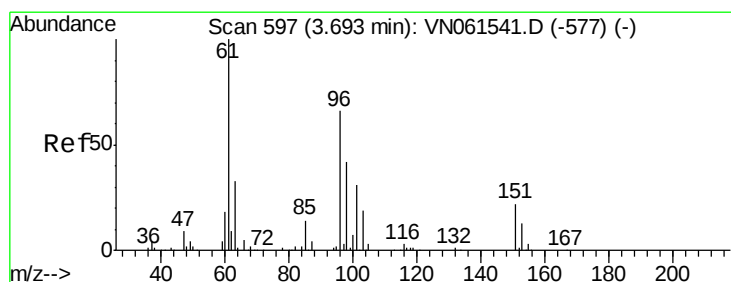
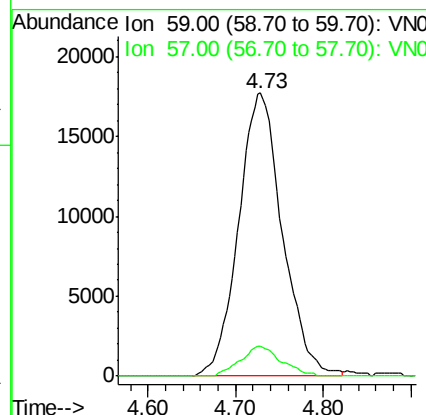
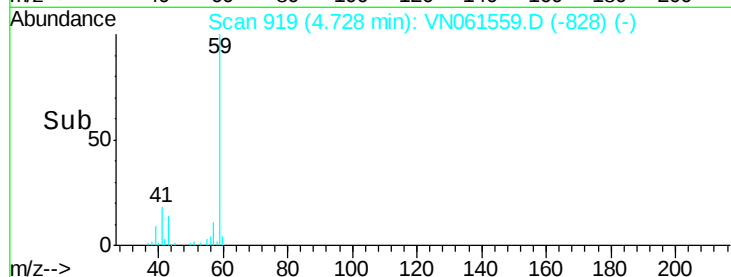
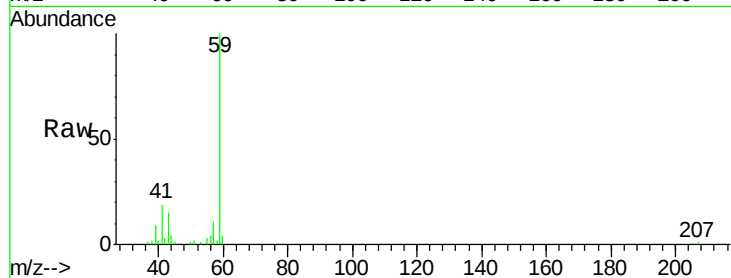
Tert butyl alcohol
 Concen: 119.576 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	61608		
57	9.8		8.4	12.6

Manual Integrations
 APPROVED

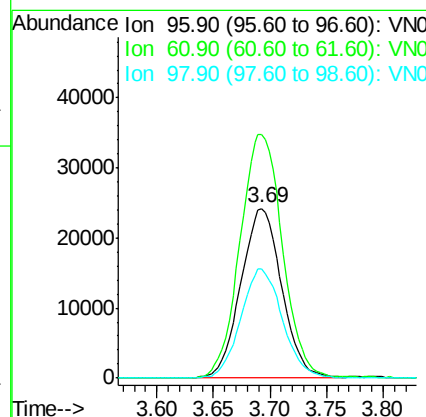
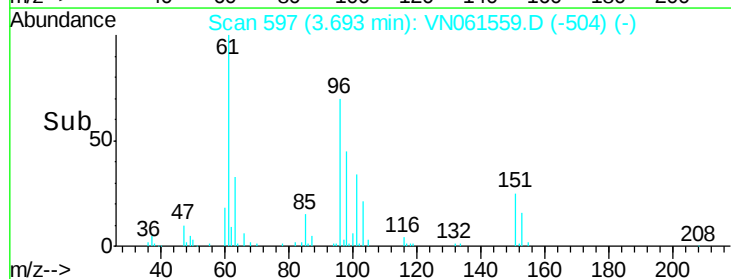
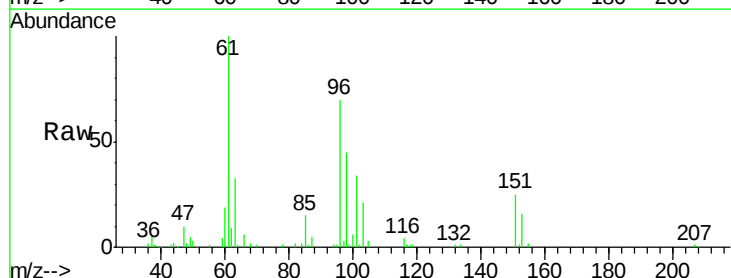
MMDadoda
 6/1/2020 12:29:51 PM

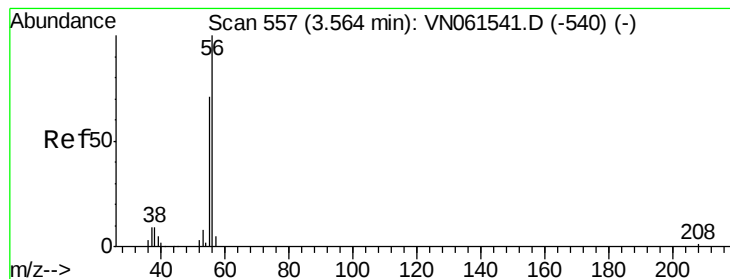


#12

1,1-Dichloroethene
 Concen: 18.338 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	60922		
61	143.4		120.5	180.7
98	64.5		50.8	76.2





#13

Acrolein

Concen: 79.874 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 56 Resp: 15034

Ion Ratio Lower Upper

56 100

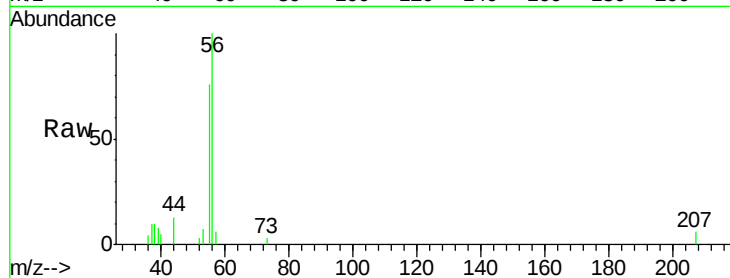
55 68.0 58.0 87.0

Manual Integrations

APPROVED

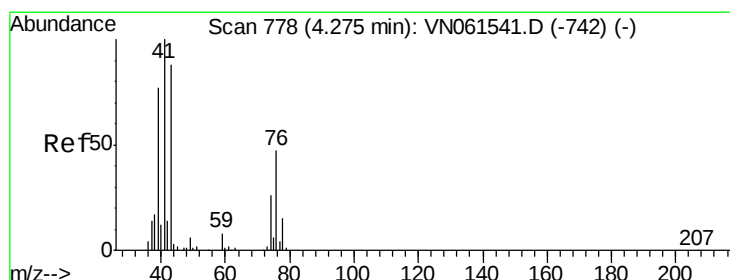
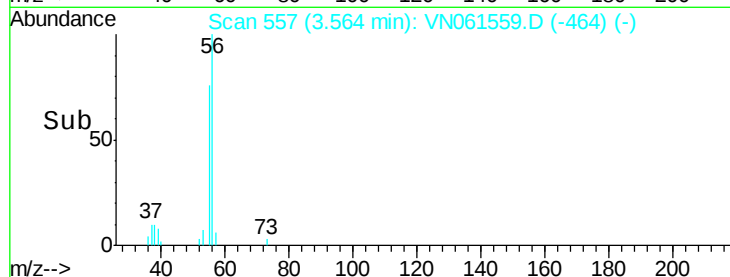
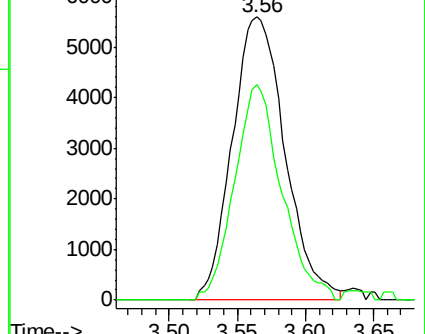
MMDadoda

6/1/2020 12:29:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.900 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

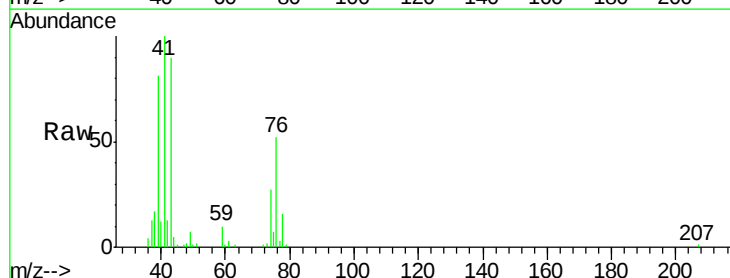
Tgt Ion: 41 Resp: 82086

Ion Ratio Lower Upper

41 100

39 74.9 58.6 88.0

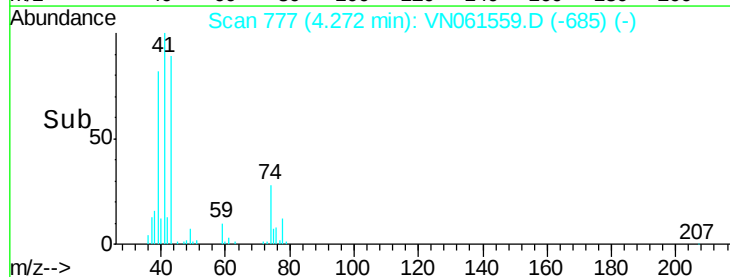
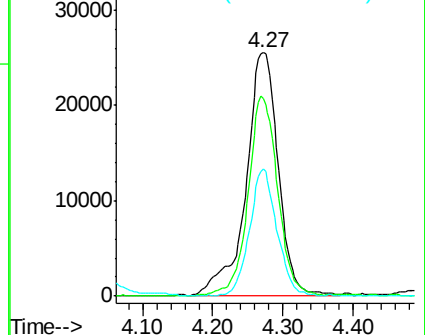
76 44.0 34.2 51.4

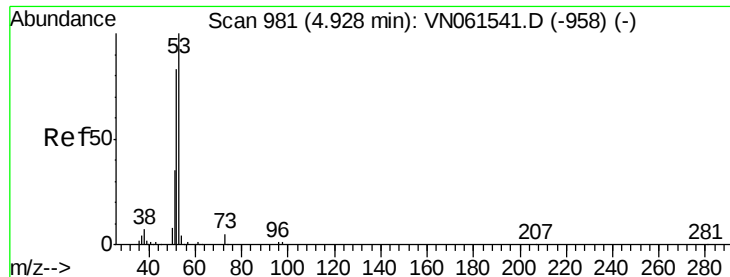


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.898 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

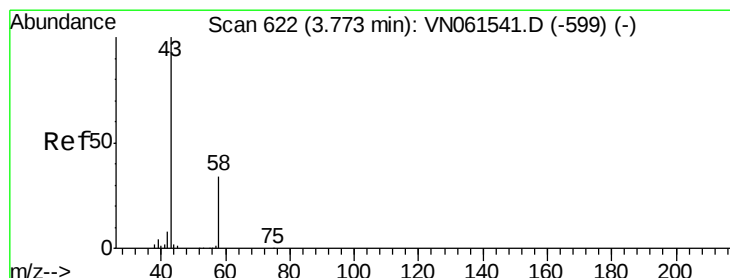
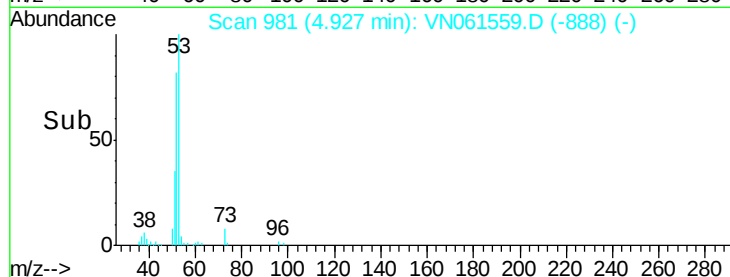
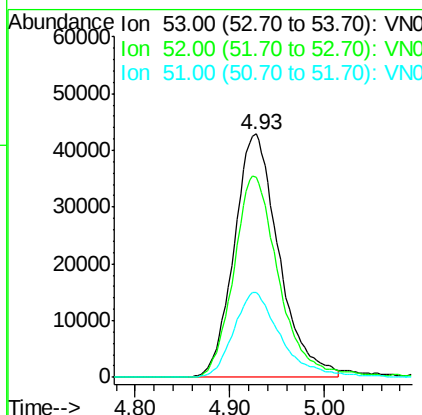
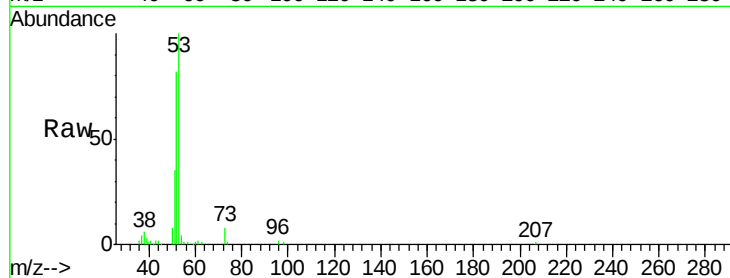
ClientSampleId :

VN0529WBSD01

Tot Ion:	53	Resp:	140786
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.4	98.2
51	36.7	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#16

Acetone

Concen: 107.670 ug/l

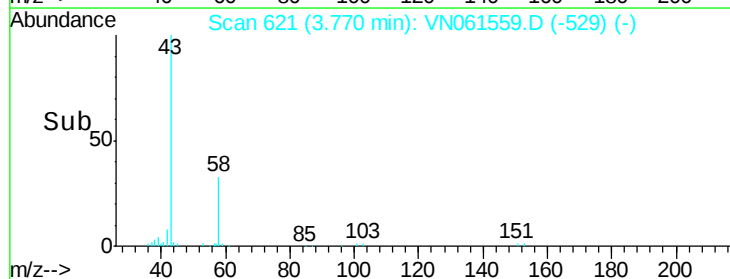
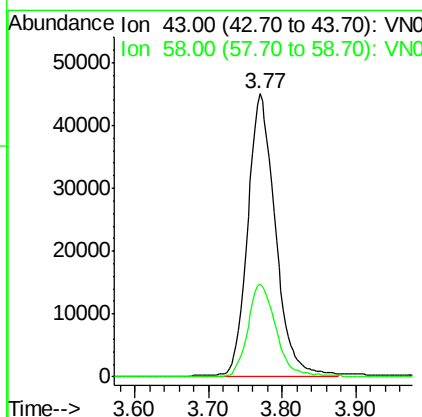
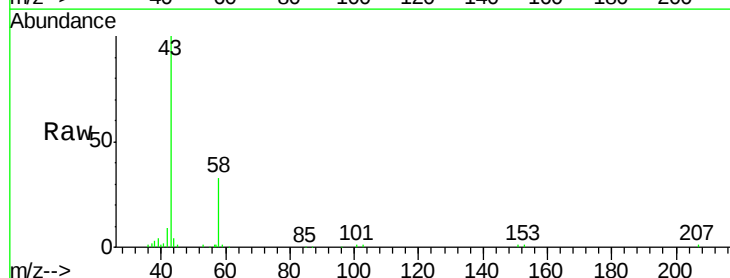
RT: 3.77 min Scan# 621

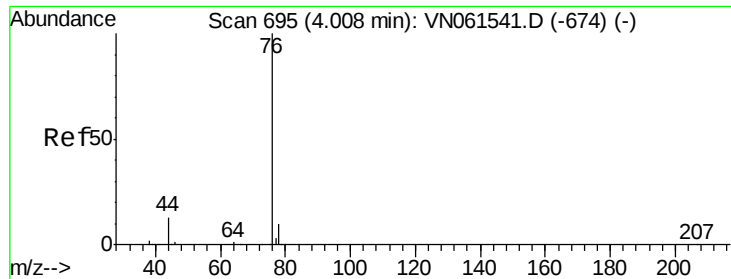
Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	43	Resp:	118710
Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.2	40.8





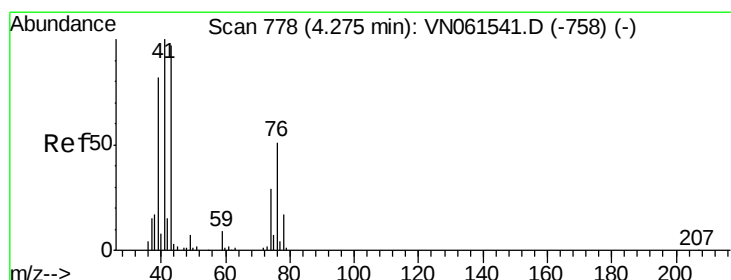
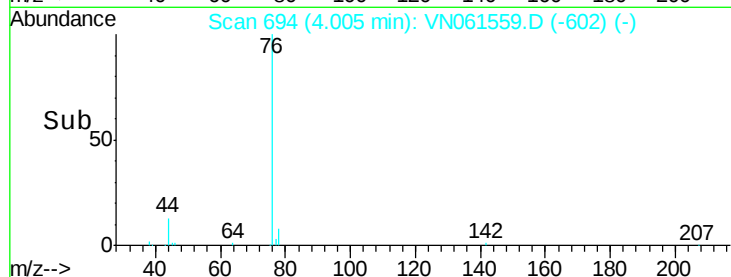
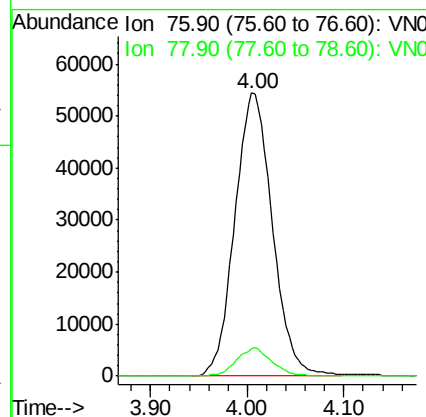
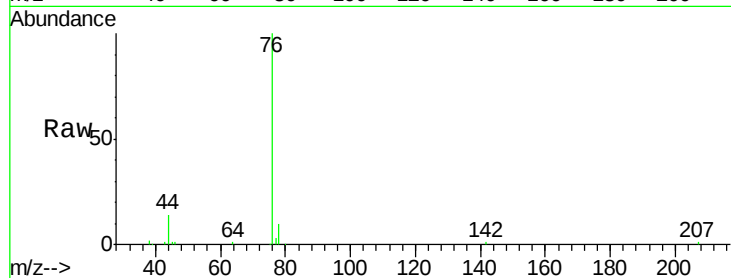
#17
Carbon Disulfide
Concen: 20.093 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	76	Resp	146860
Ion Ratio	Lower	Upper	
76	100		
78	9.5	7.8	11.6

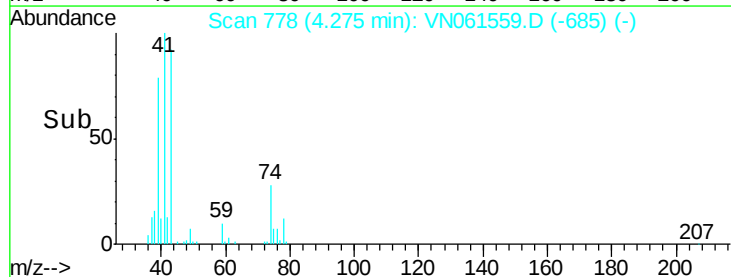
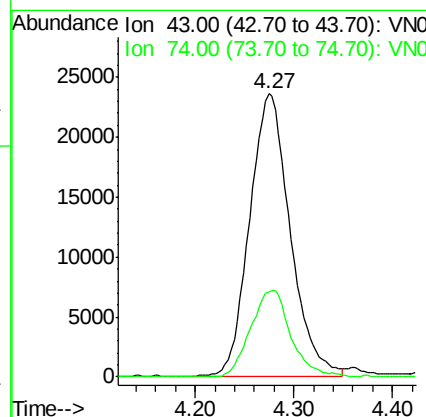
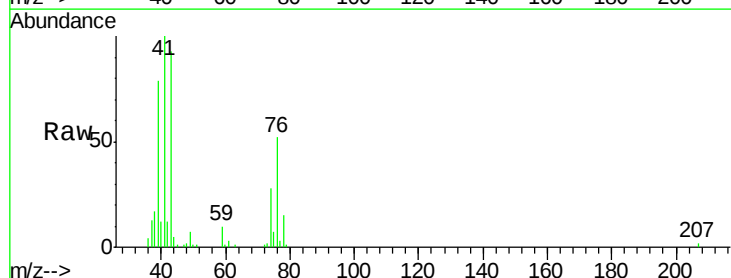
Manual Integrations
APPROVED

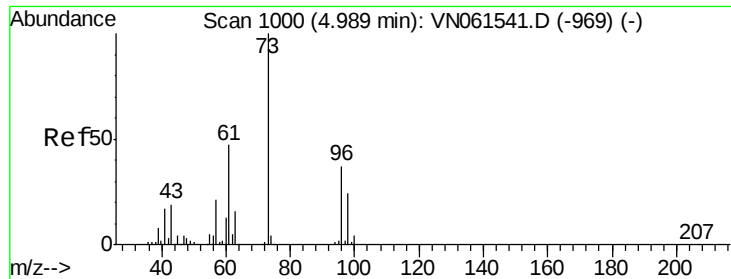
MMDadoda
6/1/2020 12:29:51 PM



#18
Methyl Acetate
Concen: 19.215 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	43	Resp	67377
Ion Ratio	Lower	Upper	
43	100		
74	30.2	23.2	34.8





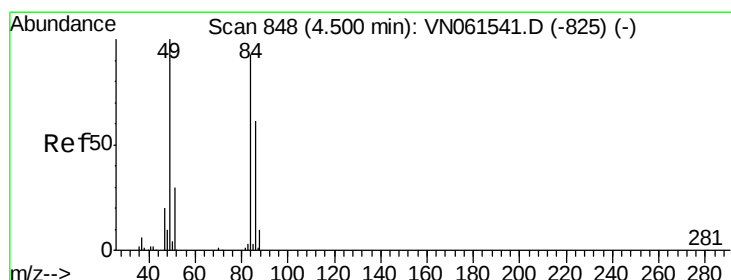
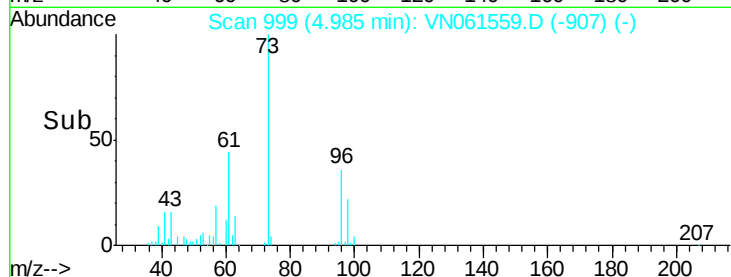
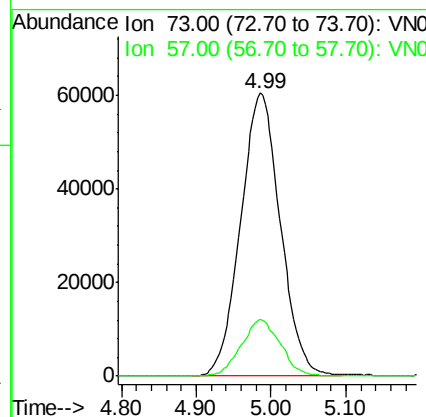
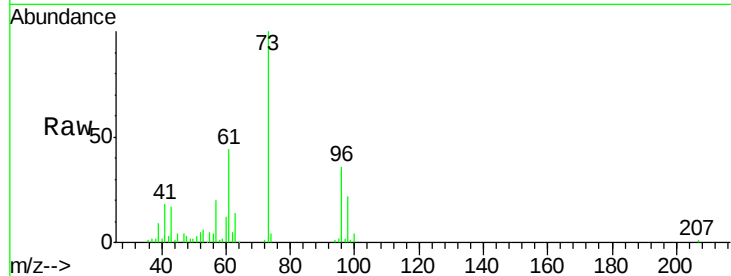
#19
Methvl tert-butvl Ether
Concen: 19.716 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.4	24.6

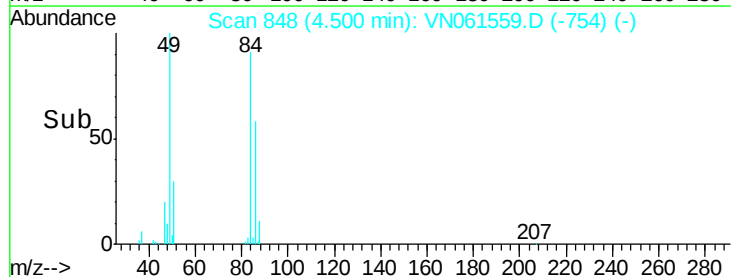
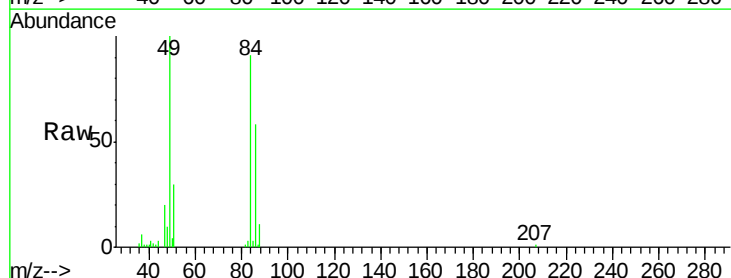
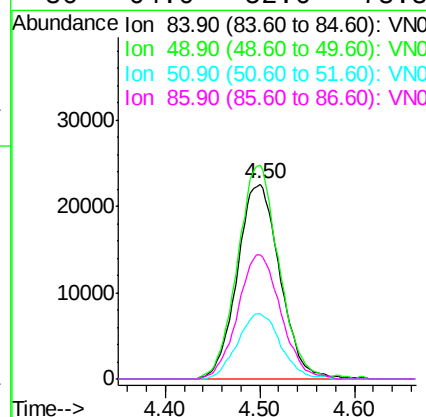
Manual Integrations
APPROVED

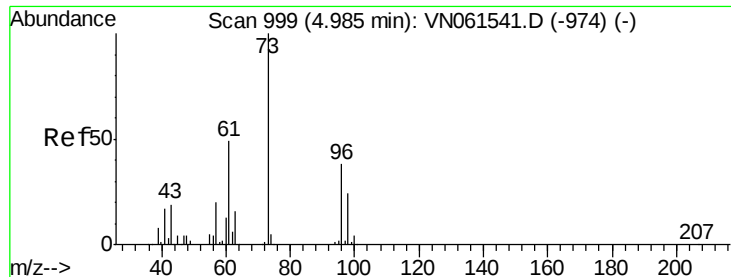
MMDadoda
6/1/2020 12:29:51 PM



#20
Methylene Chloride
Concen: 18.993 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.7	85.8	128.8
51	33.3	26.2	39.2
86	64.0	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 18.494 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

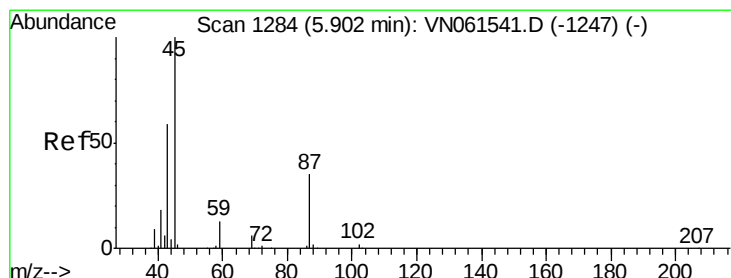
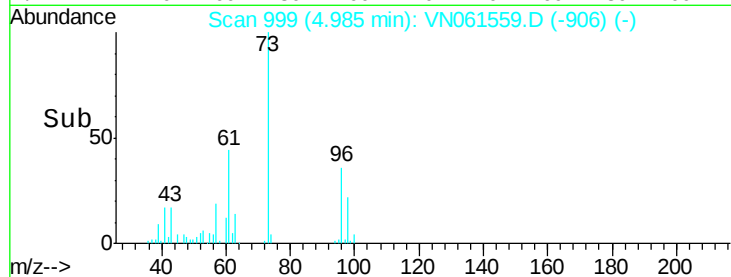
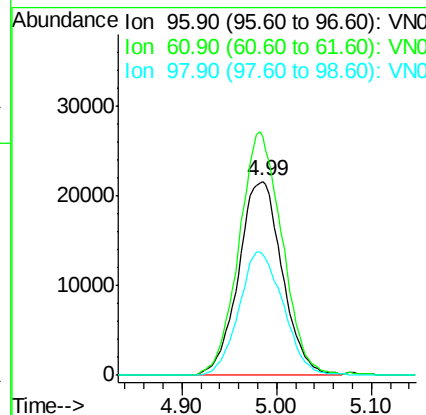
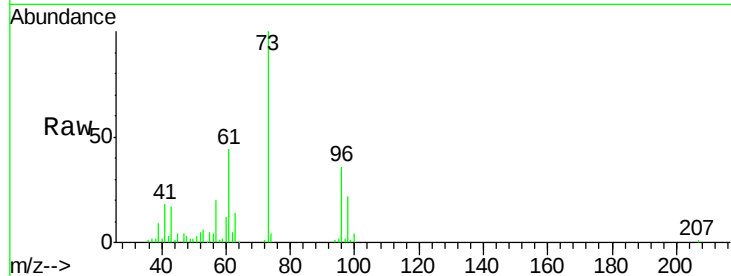
ClientSampled :

VN0529WBSD01

Tot Ion:	96	Resp:	69286
Ion	Ratio	Lower	Upper
96	100		
61	122.7	101.4	152.0
98	62.4	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#22

Diisopropyl ether

Concen: 19.608 ug/l

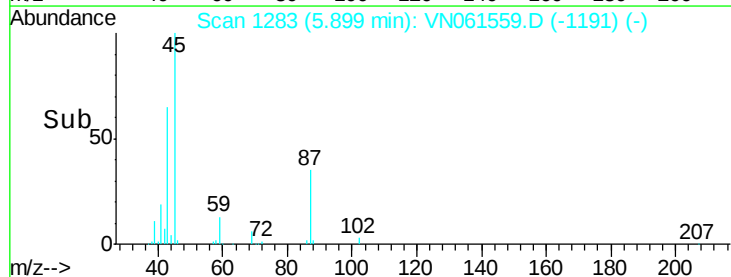
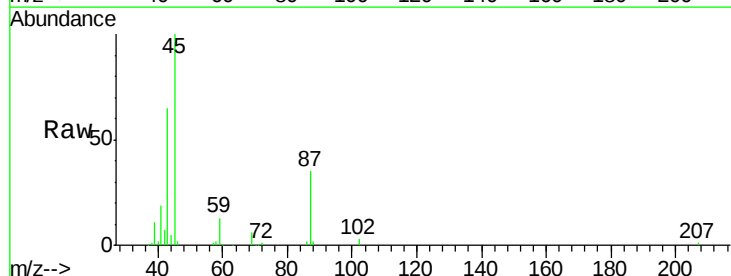
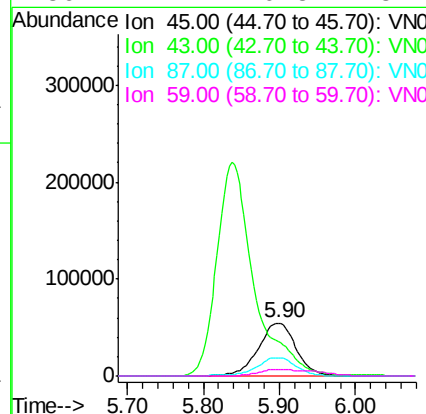
RT: 5.90 min Scan# 1283

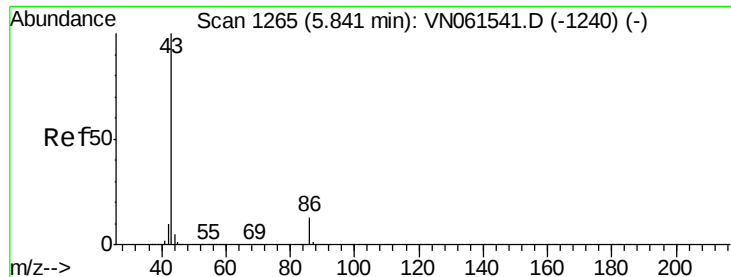
Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	45	Resp:	187693
Ion	Ratio	Lower	Upper
45	100		
43	62.0	47.9	71.9
87	34.9	28.4	42.6
59	12.7	10.5	15.7





#23

Vinyl Acetate

Concen: 98.573 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampleID :

VN0529WBSD01

Tot Ion: 43 Resp: 752056

Ion Ratio Lower Upper

43 100

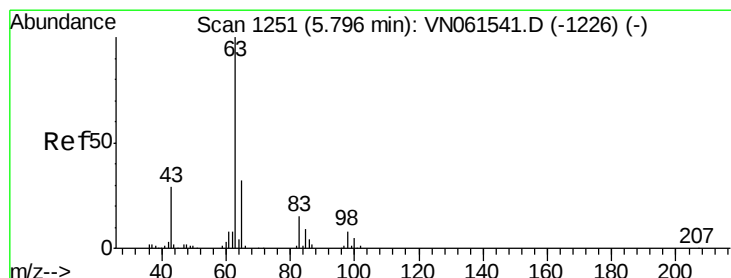
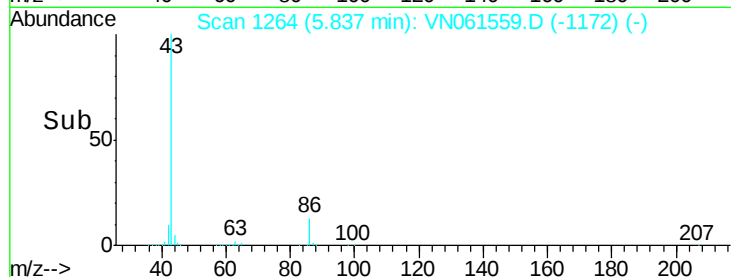
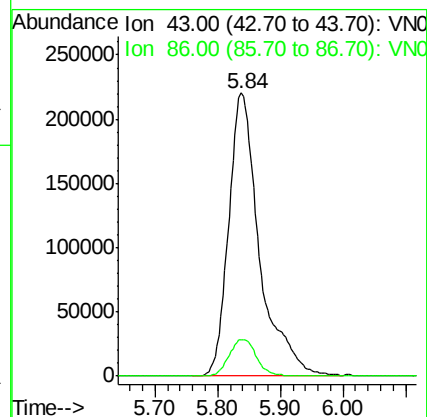
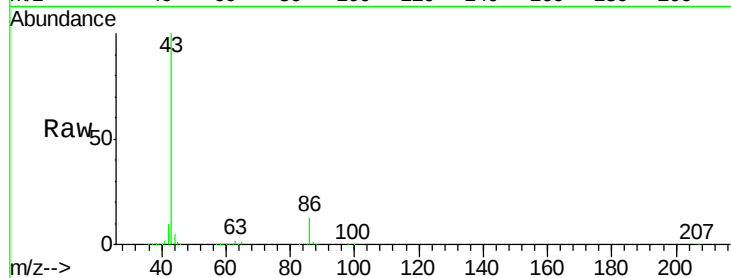
86 13.0 10.6 16.0

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:51 PM



#24

1,1-Dichloroethane

Concen: 19.085 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

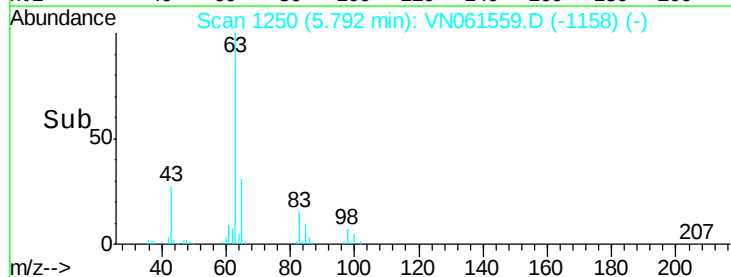
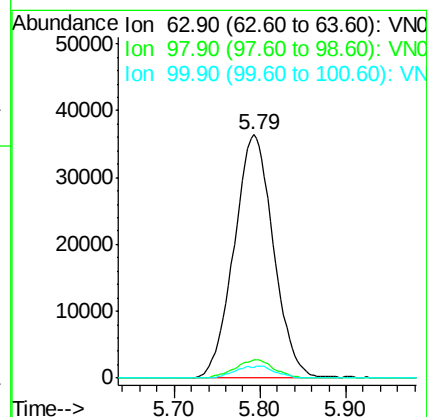
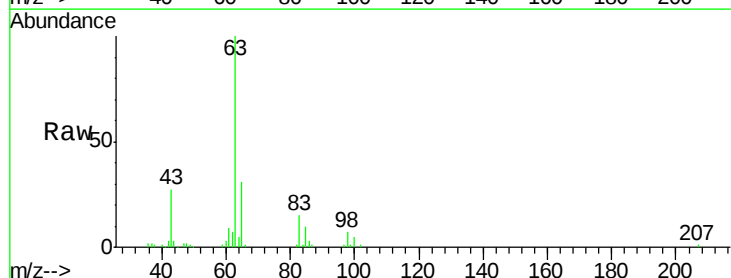
Tgt Ion: 63 Resp: 115848

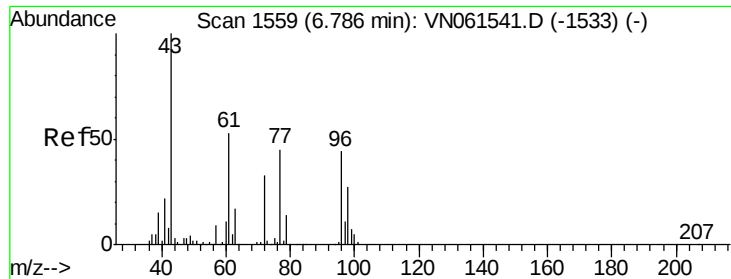
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.5 2.5 7.6





#25

2-Butanone

Concen: 97.973 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0529WBSD01

Tot Ion: 43 Resp: 179856

Ion Ratio Lower Upper

43 100

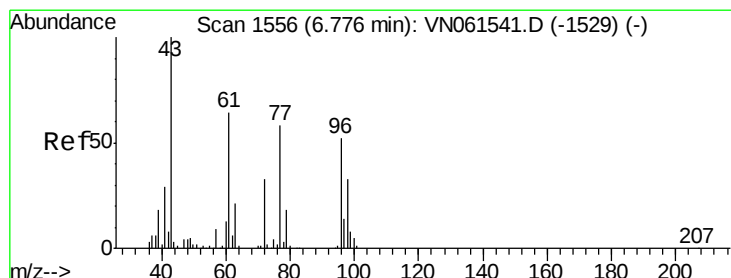
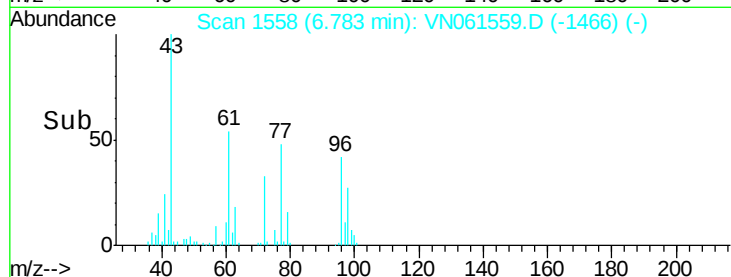
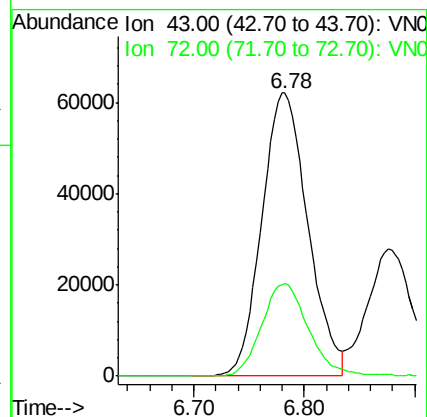
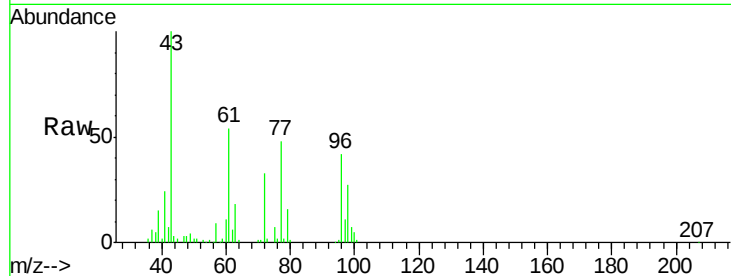
72 32.7 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:51 PM



#26

2,2-Dichloropropane

Concen: 19.795 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN061559.D

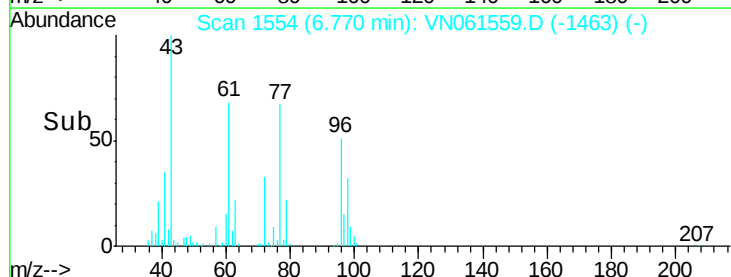
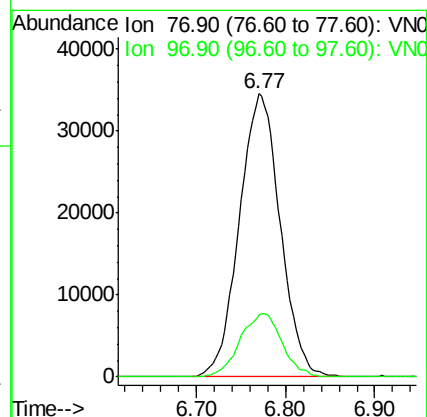
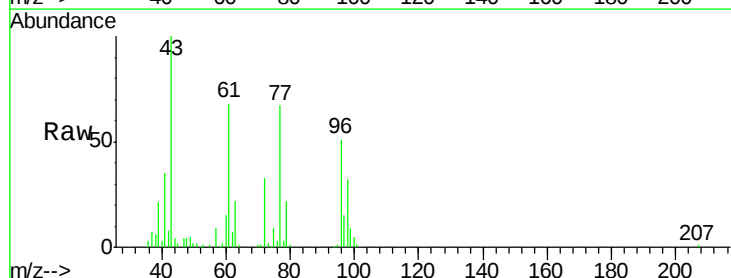
Acq: 29 May 2020 12:05

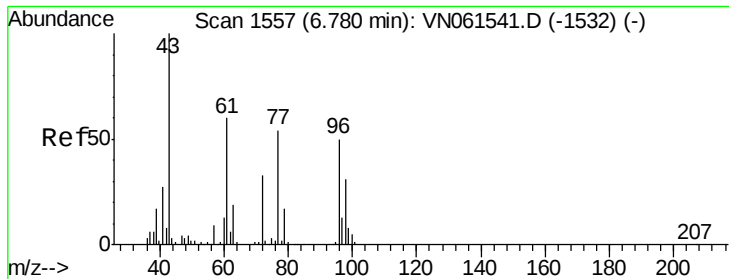
Tgt Ion: 77 Resp: 109976

Ion Ratio Lower Upper

77 100

97 22.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.288 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

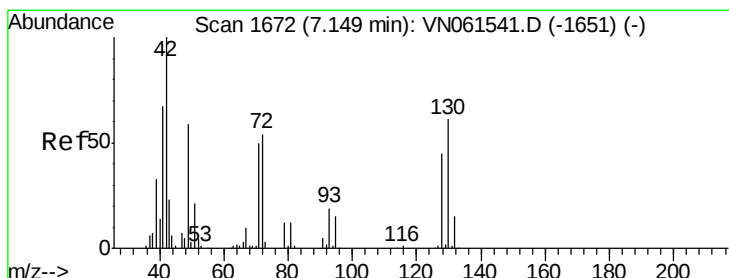
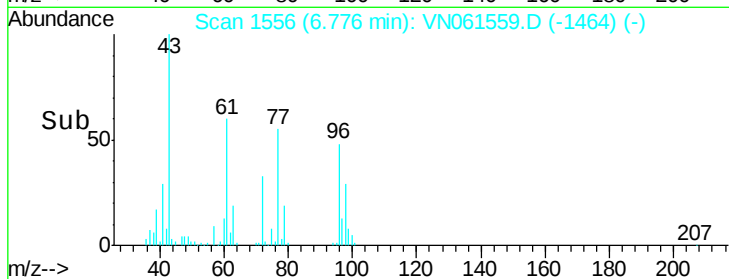
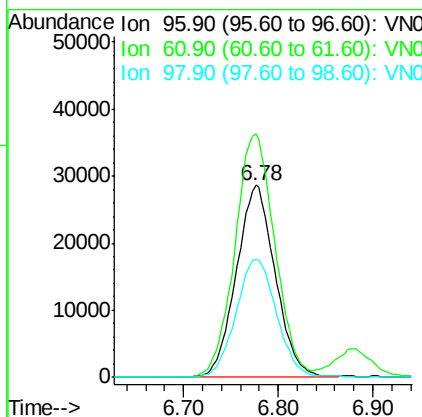
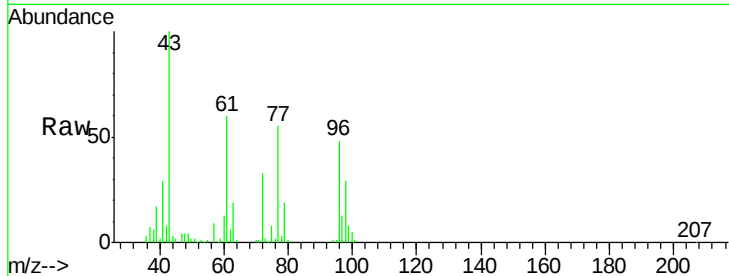
ClientSampleId :

VN0529WBSD01

Tot Ion:	96	Resp:	81824
Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	252.2
98	64.0	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#28

Bromochloromethane

Concen: 21.739 ug/l

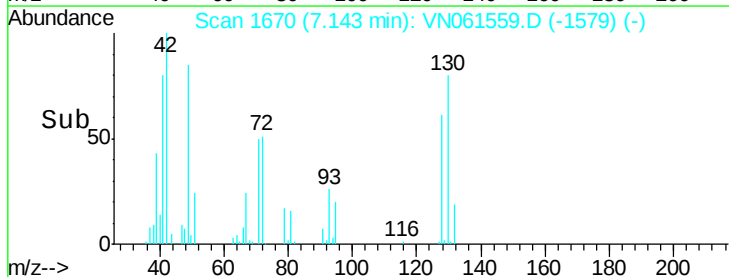
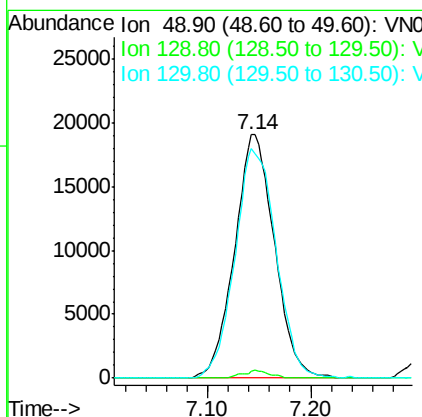
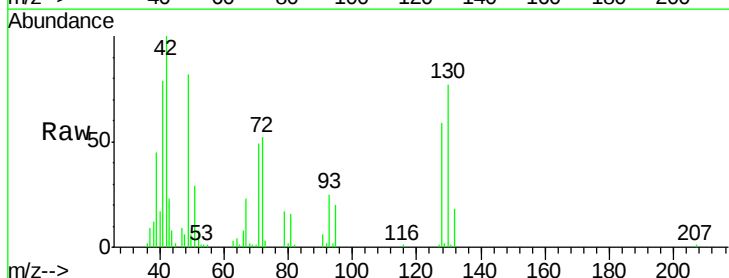
RT: 7.14 min Scan# 1670

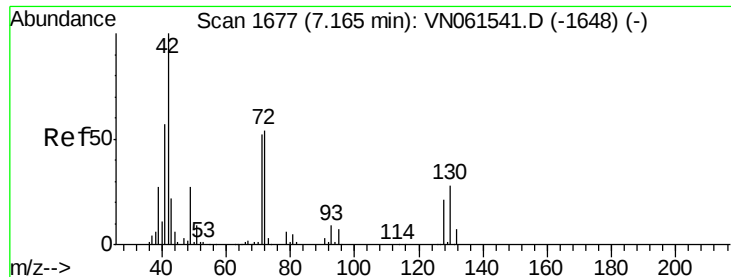
Delta R.T. -0.01 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	49	Resp:	51336
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	97.5	78.8	118.2





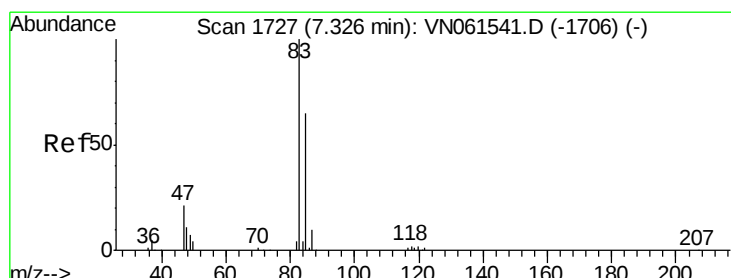
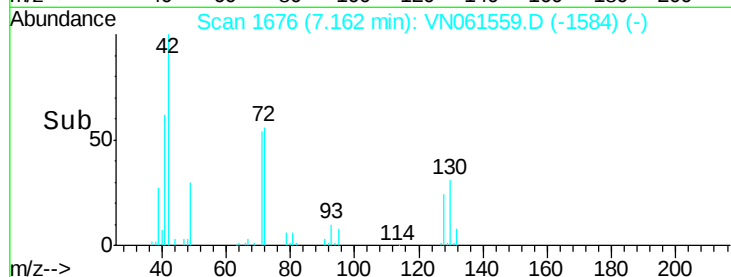
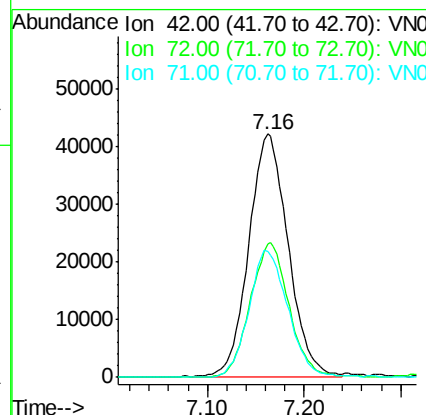
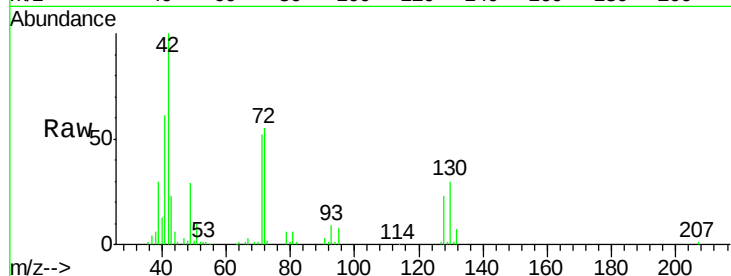
#29
Tetrahydrofuran
Concen: 99.031 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.2	43.6	65.4
71	51.4	41.2	61.8

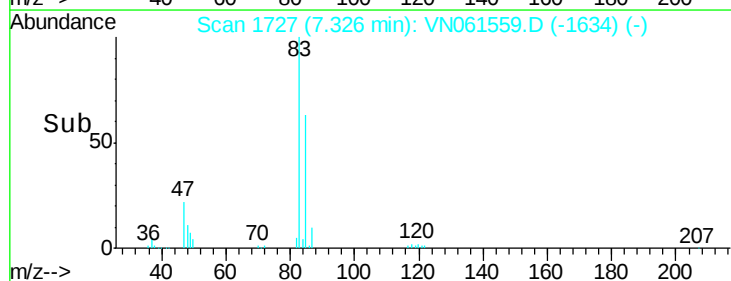
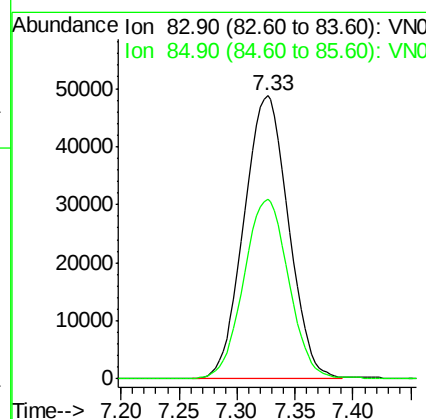
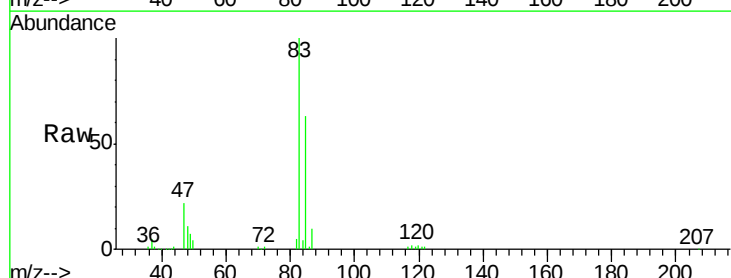
Manual Integrations
APPROVED

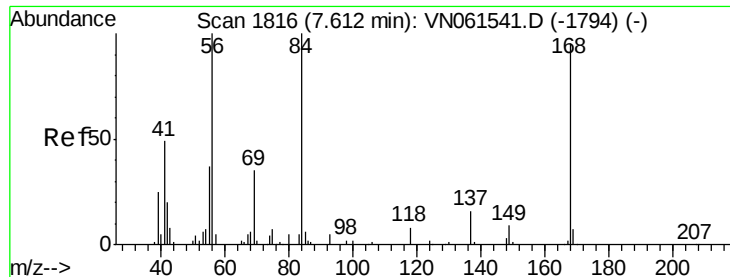
MMDadoda
6/1/2020 12:29:51 PM



#30
Chloroform
Concen: 19.467 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.7	77.5





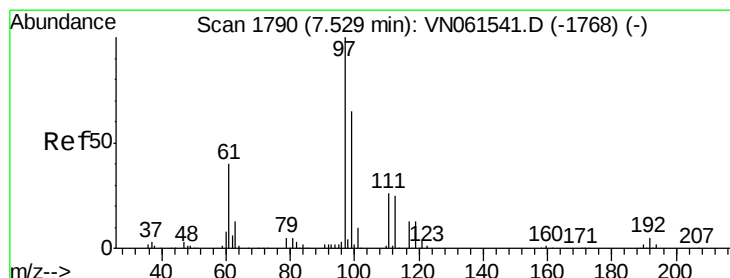
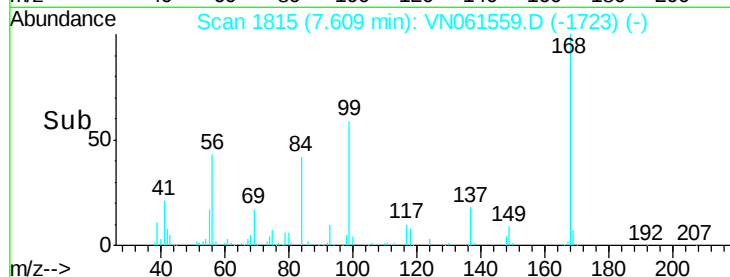
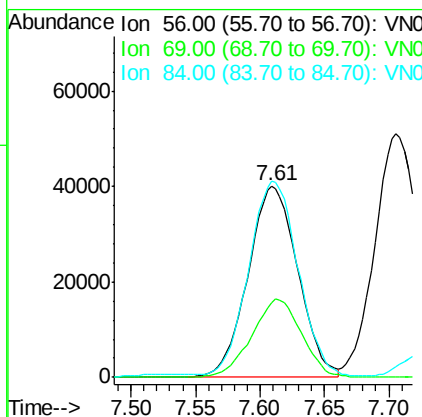
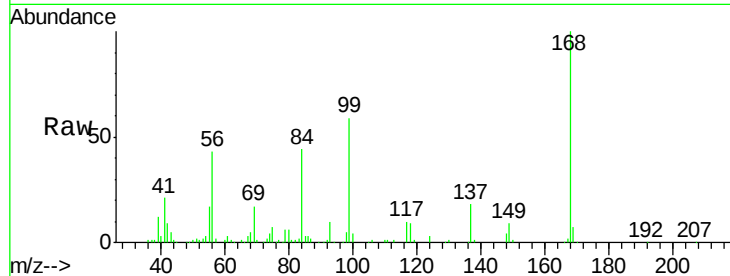
#31
Cyclohexane
Concen: 19.751 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	27.8	41.8
84	101.2	79.9	119.9

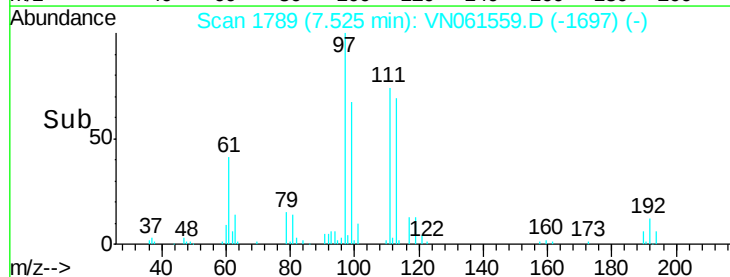
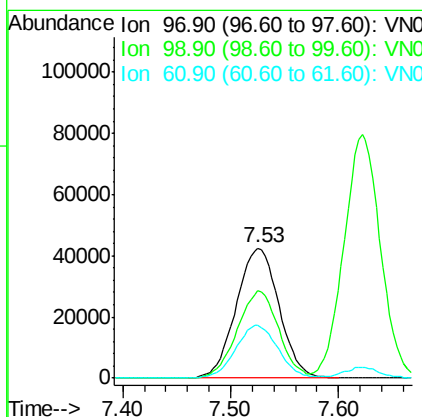
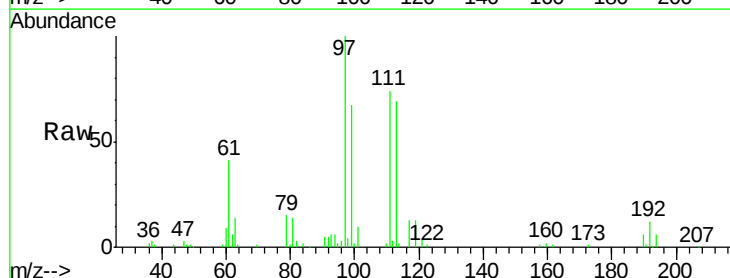
Manual Integrations
APPROVED

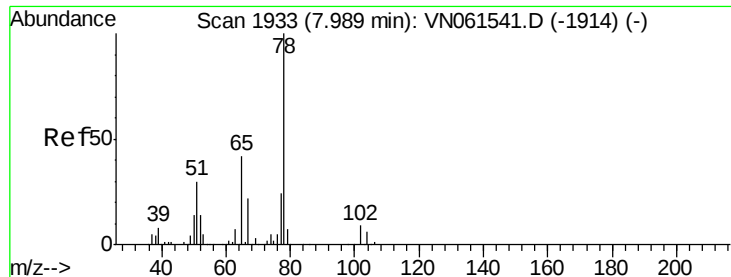
MMDadoda
6/1/2020 12:29:51 PM



#32
1,1,1-Trichloroethane
Concen: 19.114 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	40.3	31.4	47.0





#33

1,2-Dichloroethane-d4

Concen: 53.135 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0529WBSD01

Tot Ion: 65 Resp: 205818

Ion Ratio Lower Upper

65 100

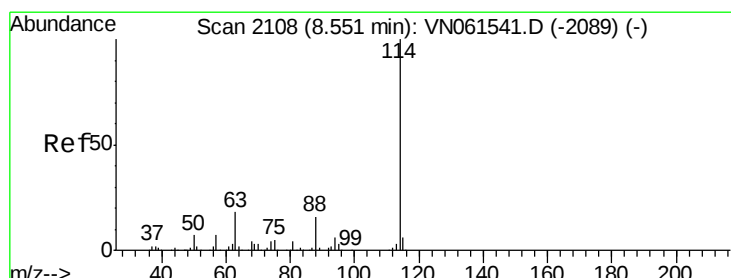
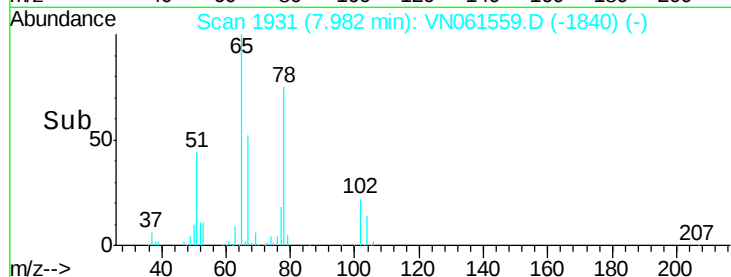
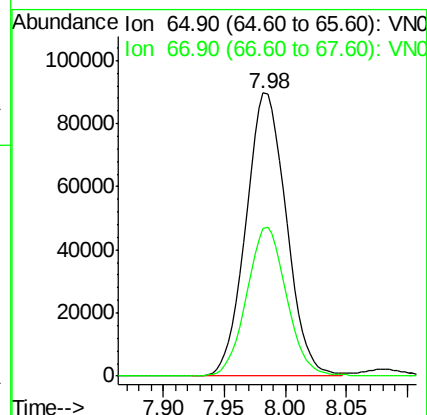
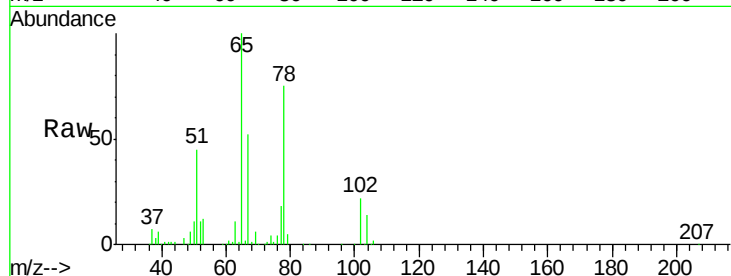
67 51.8 0.0 104.8

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:51 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

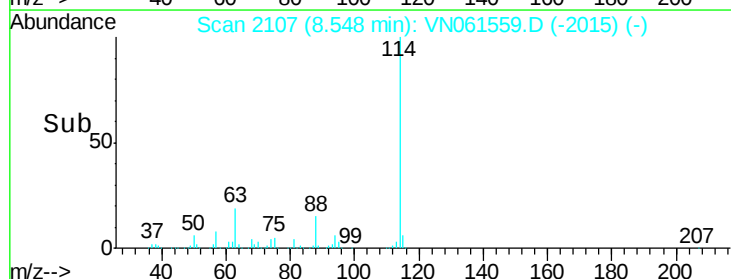
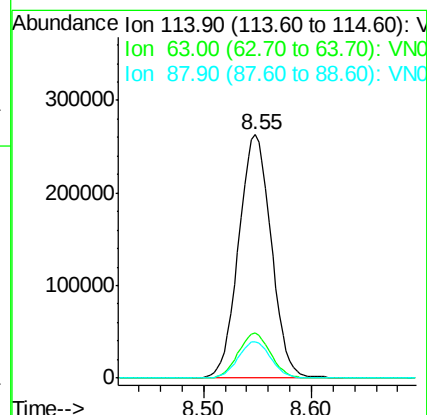
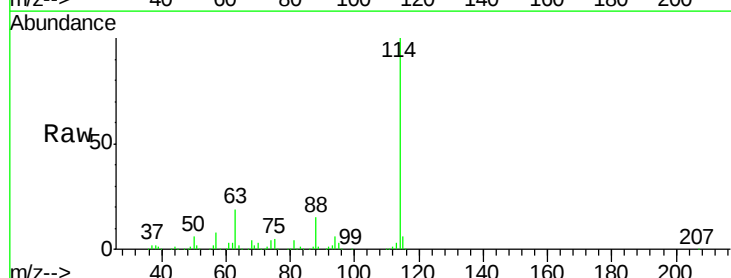
Tgt Ion: 114 Resp: 551767

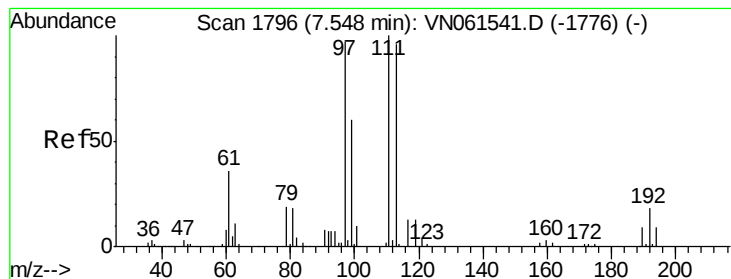
Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.8

88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 54.900 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

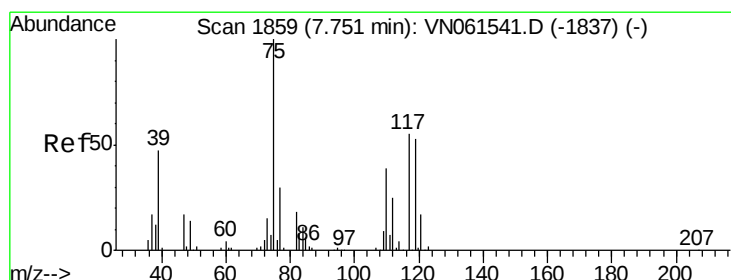
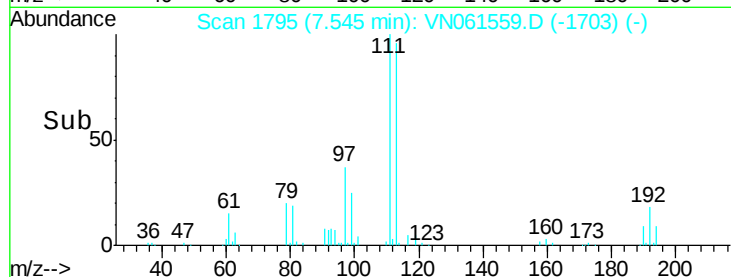
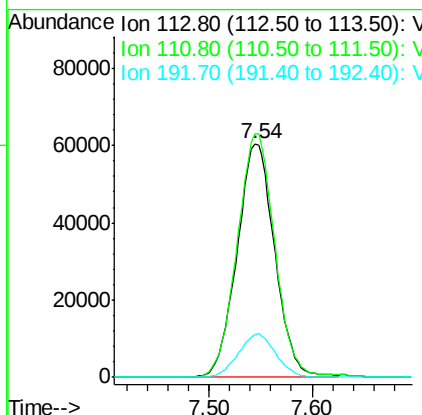
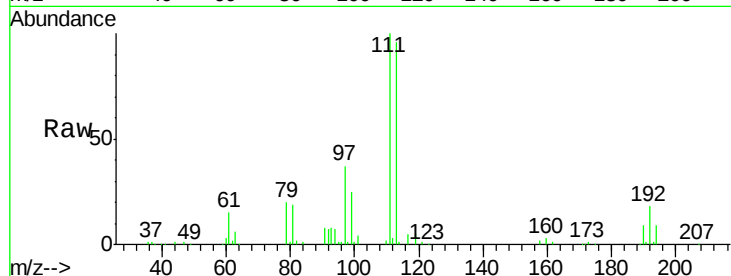
ClientSampleId :

VN0529WBSD01

Tot Ion:	113	Resp:	153667
Ion Ratio	Lower	Upper	
113	100		
111	104.8	83.4	125.0
192	18.5	15.4	23.2

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#36

1,1-Dichloropropene

Concen: 18.897 ug/l

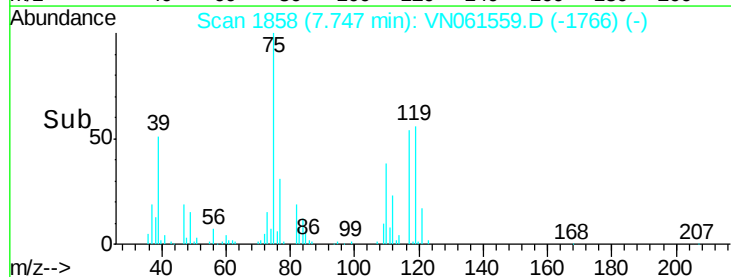
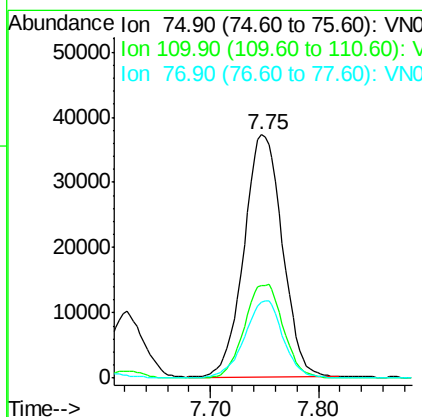
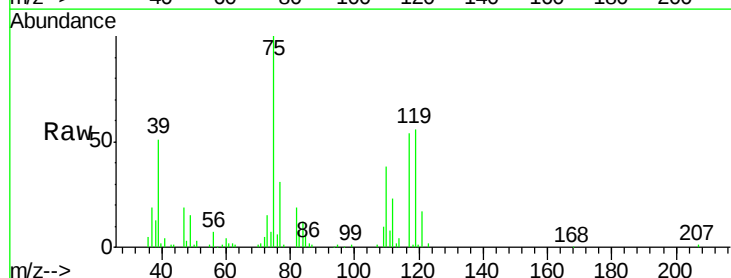
RT: 7.75 min Scan# 1858

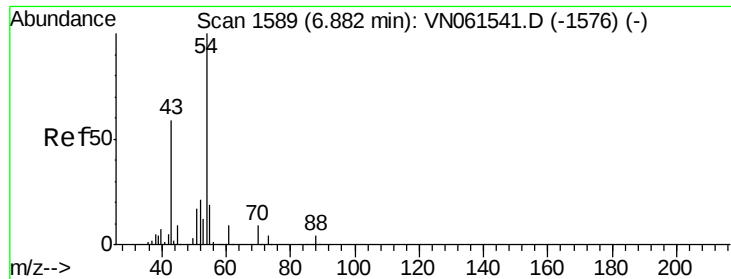
Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	75	Resp:	92302
Ion Ratio	Lower	Upper	
75	100		
110	38.7	19.5	58.5
77	32.0	24.7	37.1





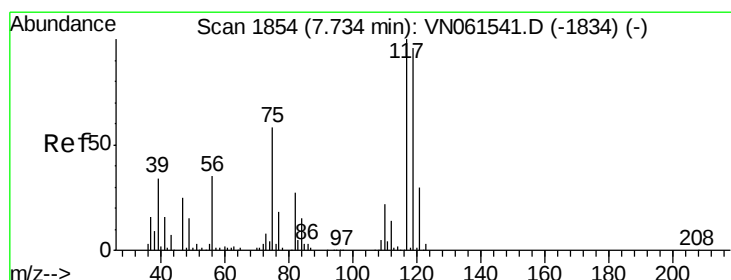
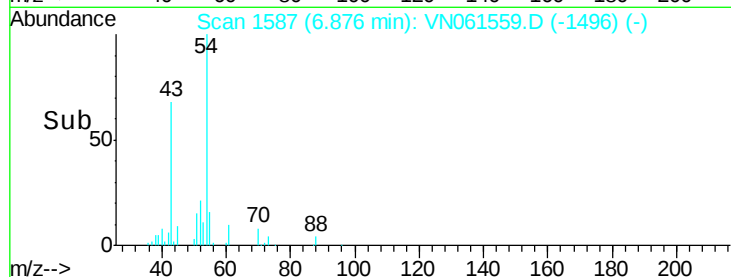
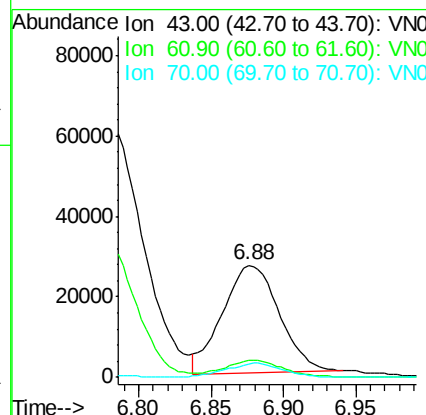
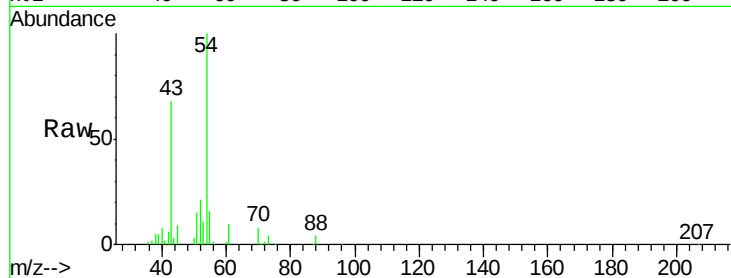
#37
Ethyl Acetate
Concen: 18.503 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	43	Resp	72794
Ion Ratio	100	Lower	Upper
43	100		
61	16.7	12.2	18.4
70	13.2	9.4	14.2

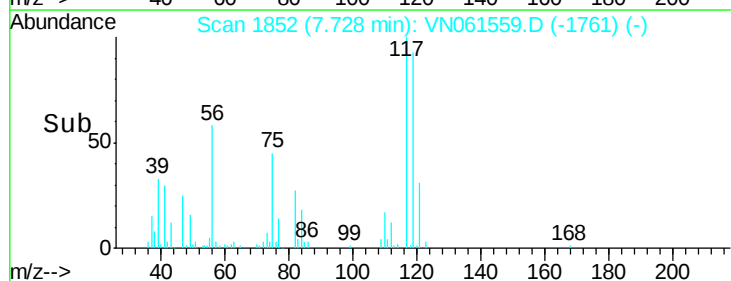
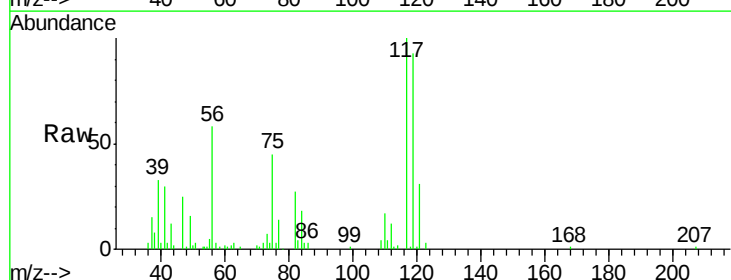
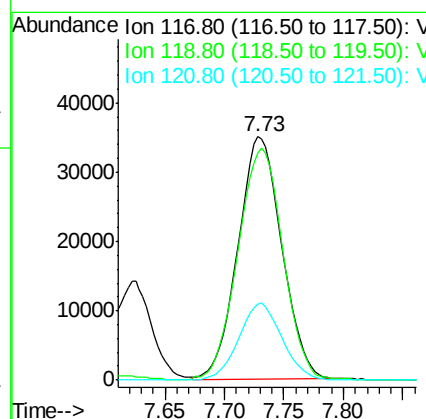
Manual Integrations
APPROVED

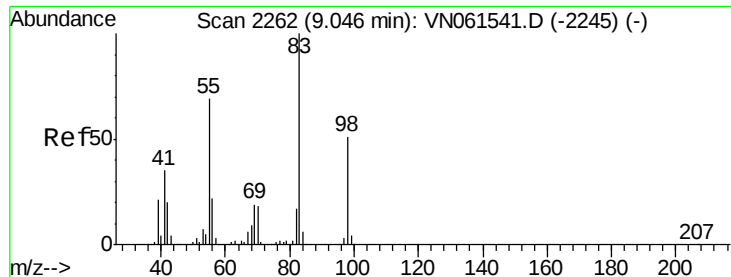
MMDadoda
6/1/2020 12:29:51 PM



#38
Carbon Tetrachloride
Concen: 18.925 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	117	Resp	89164
Ion Ratio	100	Lower	Upper
117	100		
119	93.5	76.5	114.7
121	31.5	24.1	36.1





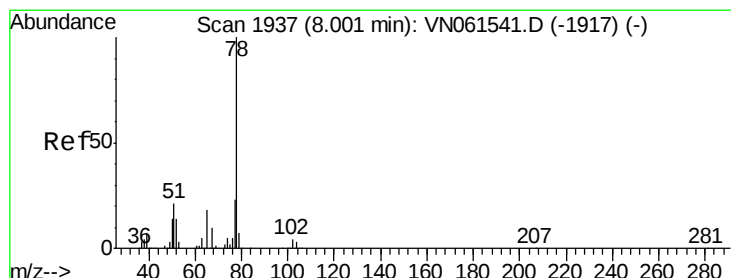
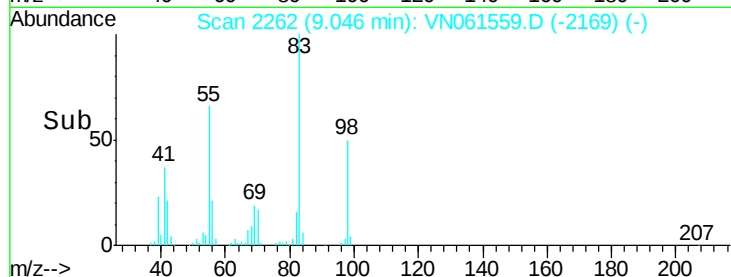
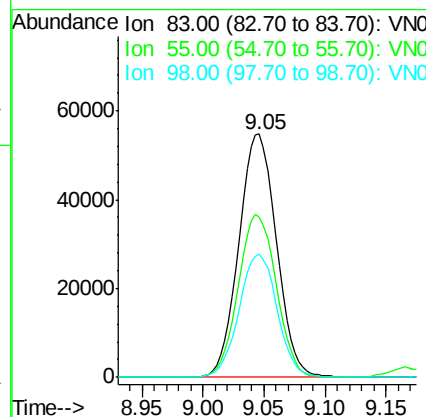
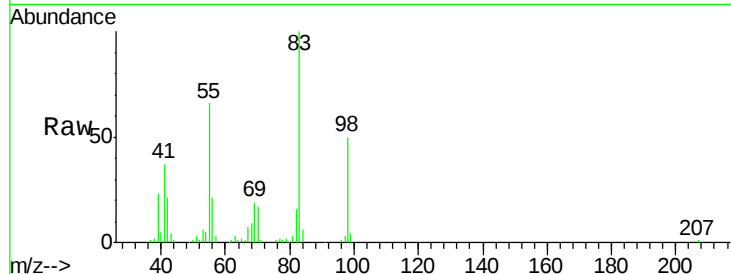
#39
Methvlcvclohexane
Concen: 19.414 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.1	54.9	82.3	
98	50.4	41.0	61.4	

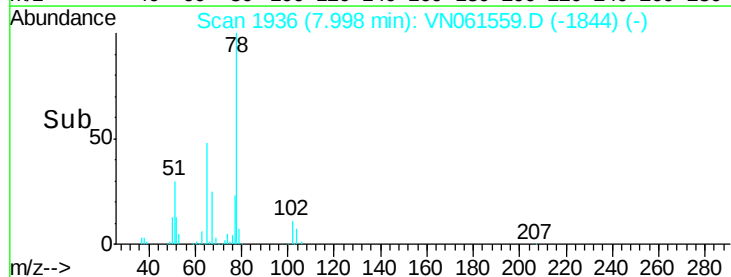
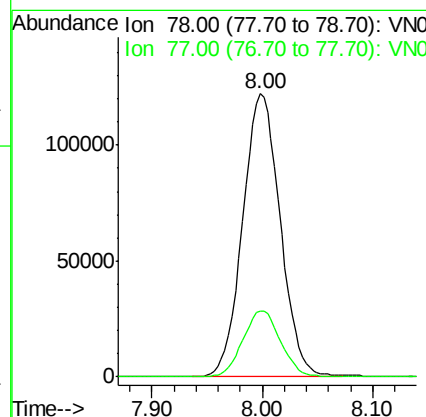
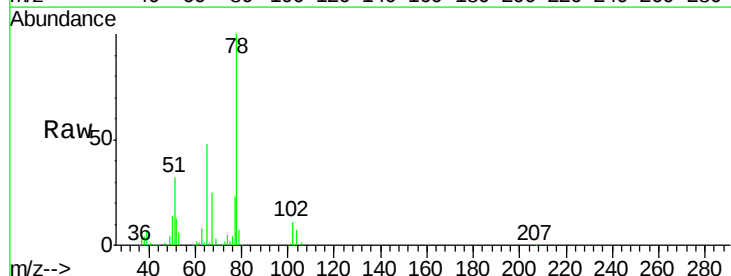
Manual Integrations
APPROVED

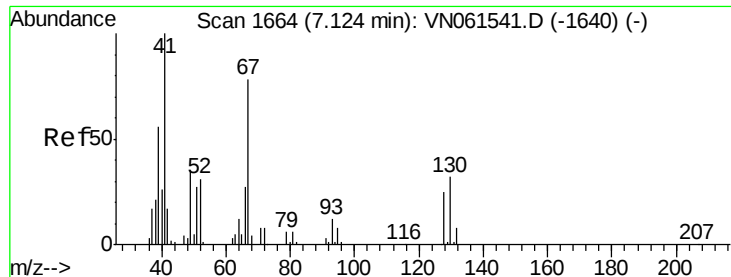
MMDadoda
6/1/2020 12:29:51 PM



#40
Benzene
Concen: 19.154 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.6	28.0	





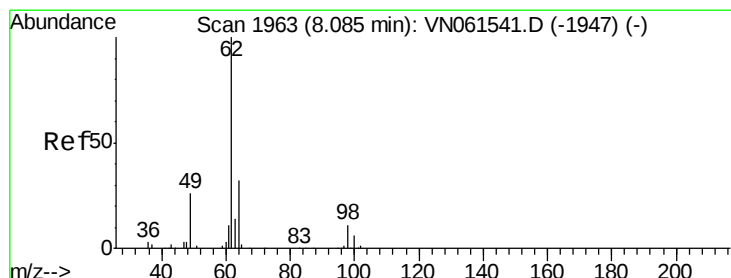
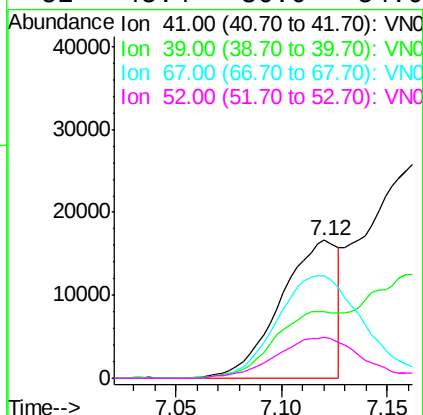
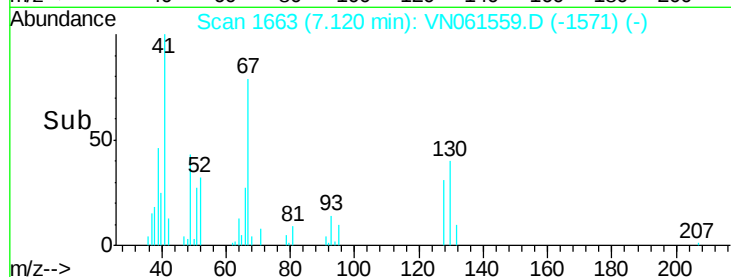
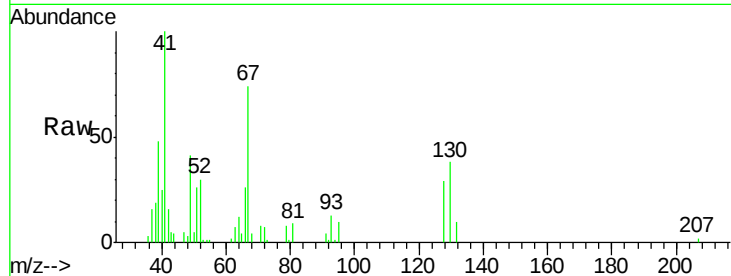
#41
Methacrylonitrile
Concen: 17.484 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		31515		
39	57.9	53.8	80.6		
67	112.5	91.1	136.7		
52	45.4	36.0	54.0		

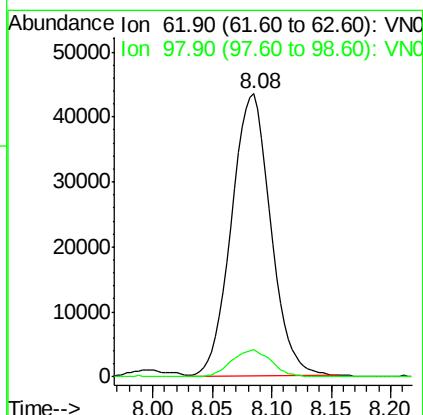
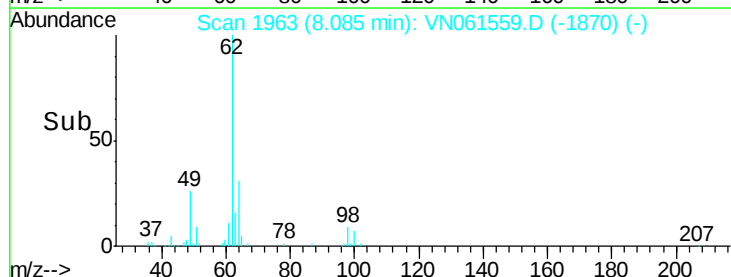
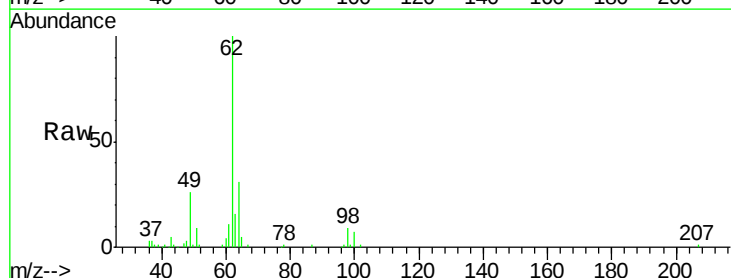
Manual Integrations
APPROVED

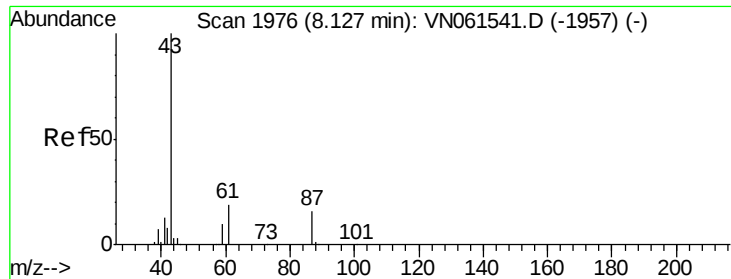
MMDadoda
6/1/2020 12:29:51 PM



#42
1,2-Dichloroethane
Concen: 19.734 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		99570		
98	9.7	0.0	21.4		





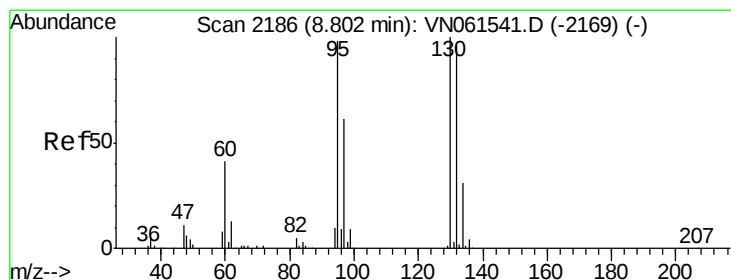
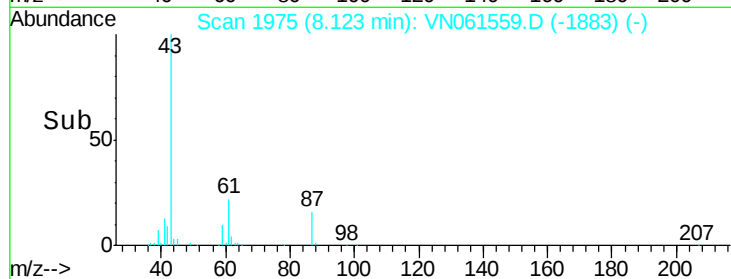
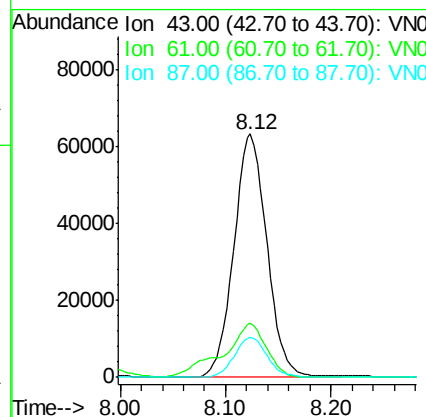
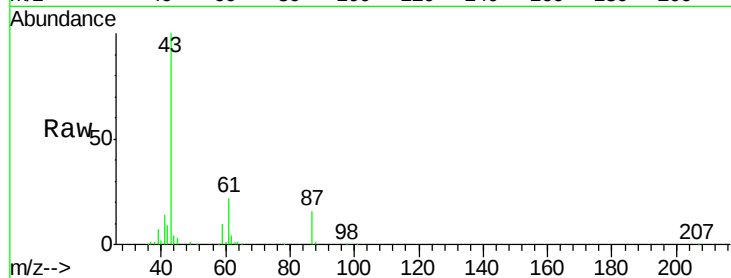
#43
Isopropyl Acetate
Concen: 19.515 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.6	35.4
87	16.2	13.0	19.6

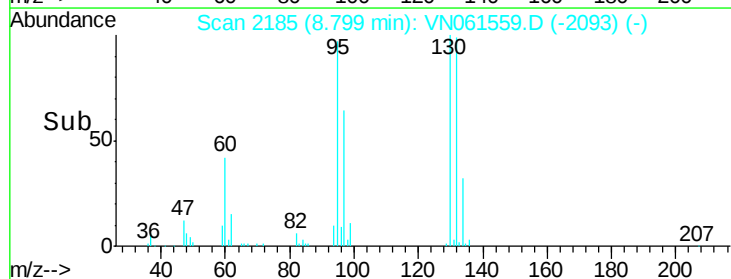
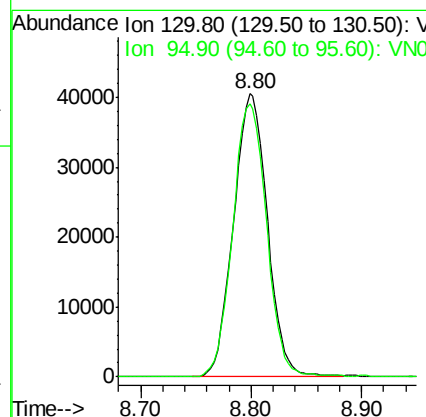
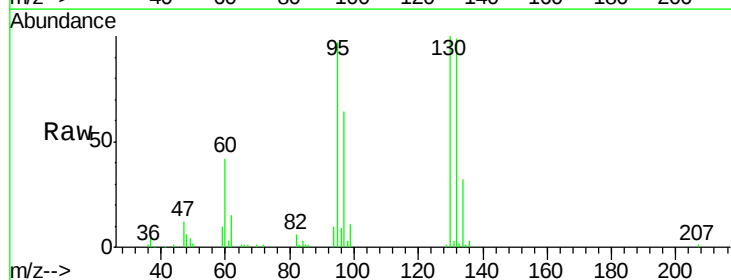
Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#44
Trichloroethene
Concen: 18.636 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	196.6





#45

1,2-Dichloropropane

Concen: 19.589 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 63 Resp: 70102

Ion Ratio Lower Upper

63 100

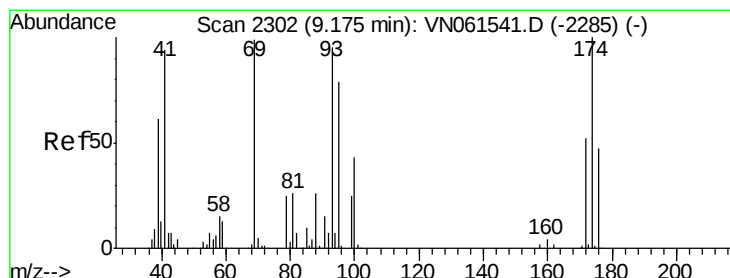
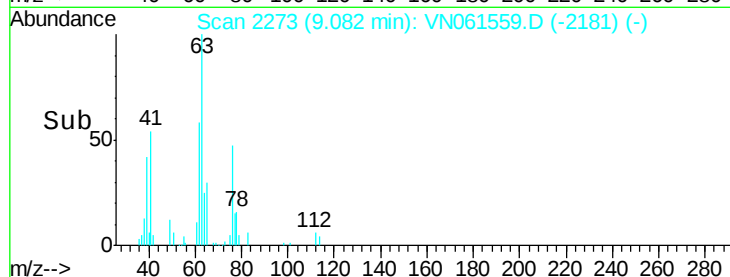
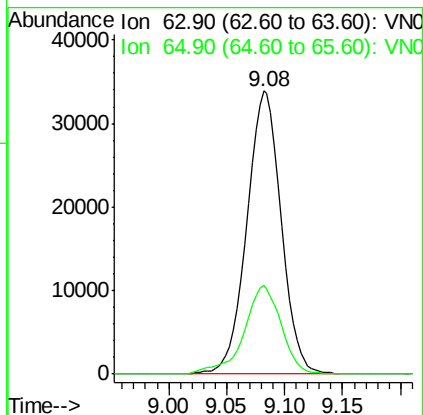
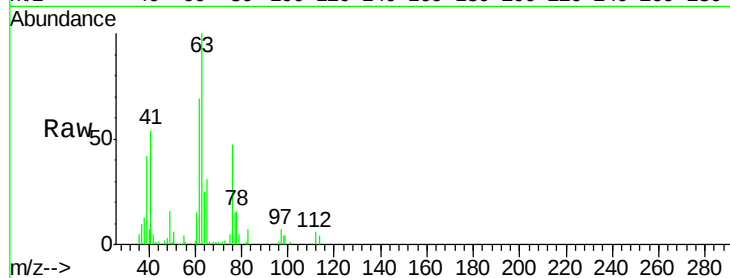
65 31.5 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:51 PM



#46

Dibromomethane

Concen: 19.471 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

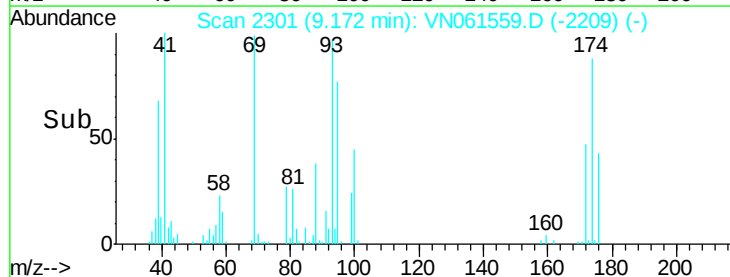
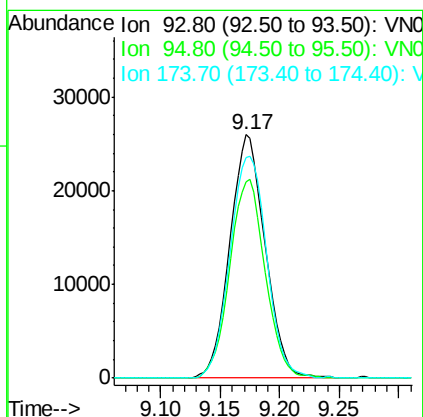
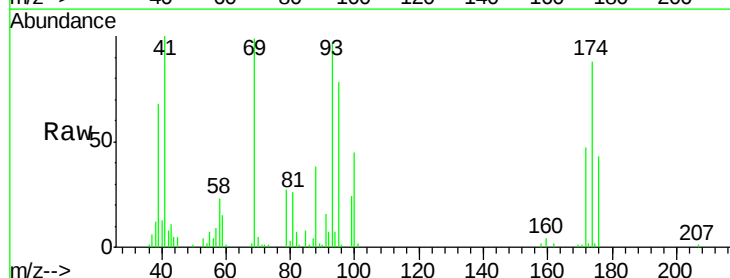
Tgt Ion: 93 Resp: 53443

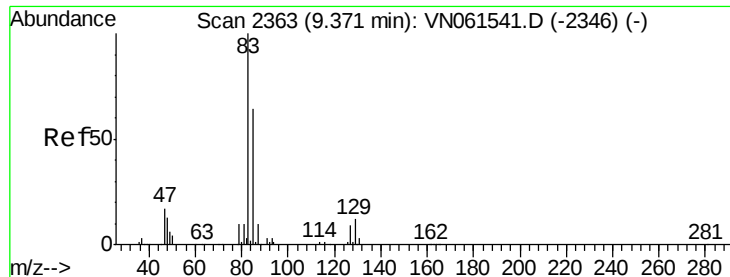
Ion Ratio Lower Upper

93 100

95 81.9 66.0 99.0

174 94.6 82.5 123.7





#47

Bromodichloromethane

Concen: 19.323 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

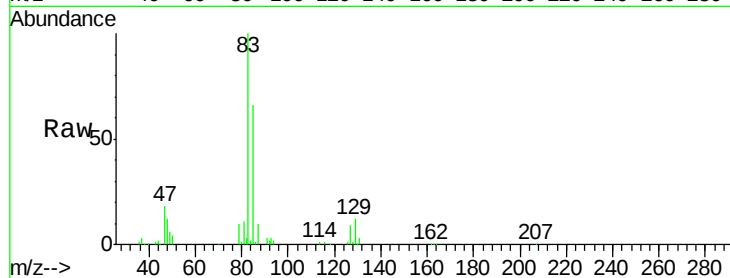
ClientSampled :

VN0529WBSD01

Tot Ion:	83	Resp:	105073
Ion Ratio	Lower	Upper	
83	100		
85	66.0	51.1	76.7
127	8.7	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM

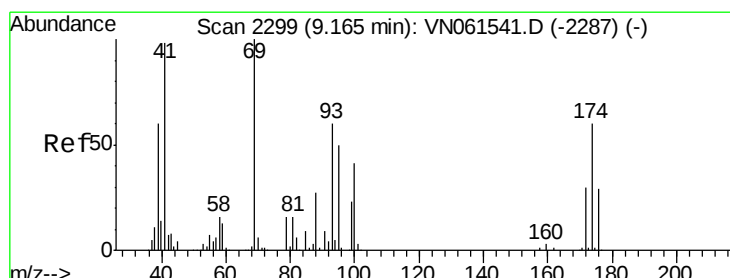
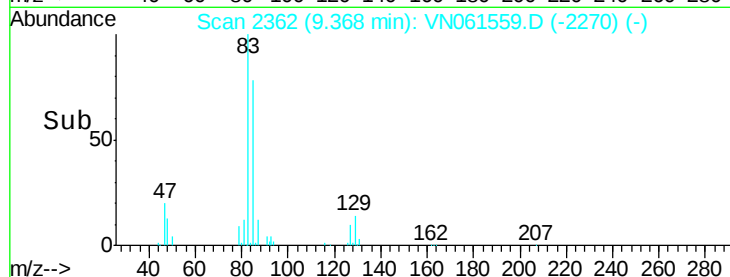


Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061541.D (-2346) (-)

Time-->



#48

Methyl methacrylate

Concen: 18.176 ug/l

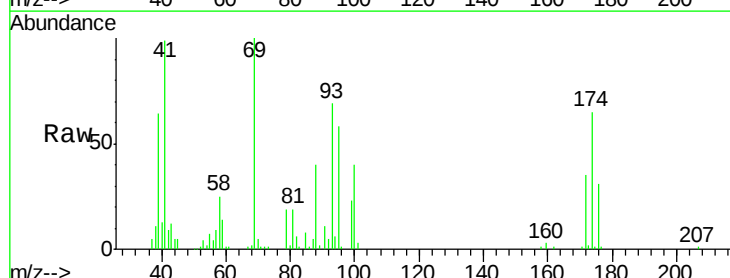
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	41	Resp:	57882
Ion Ratio	Lower	Upper	
41	100		
69	104.2	83.9	125.9
39	67.6	52.1	78.1

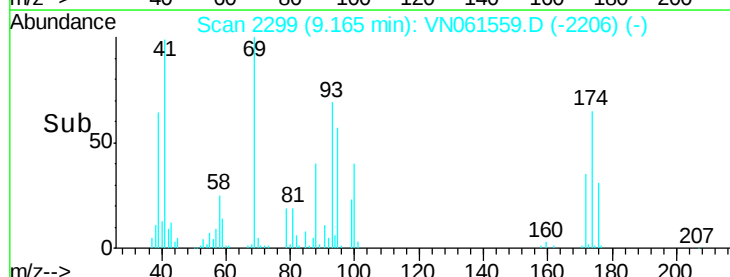


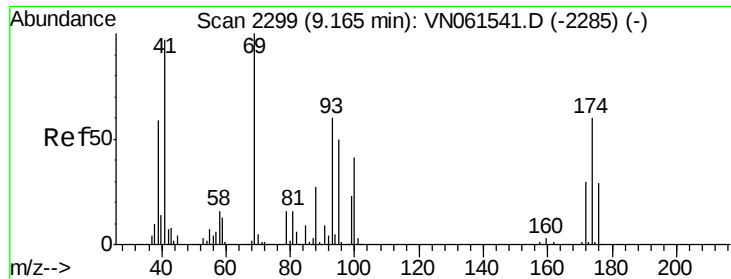
Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061541.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-2287) (-)

Time-->





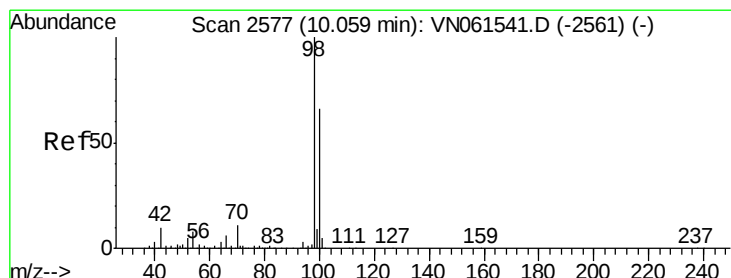
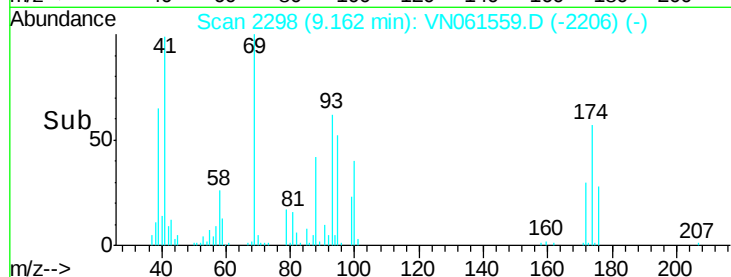
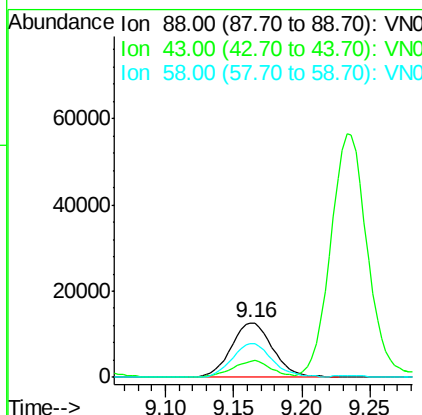
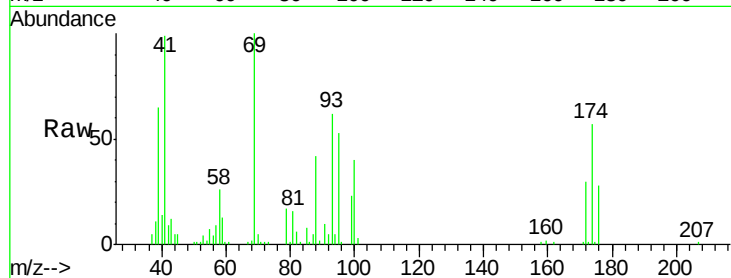
#49
1,4-Dioxane
Concen: 544.454 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion	88	Resp	26860
Ion Ratio	Lower	Upper	
88	100		
43	28.3	23.1	34.7
58	59.8	48.3	72.5

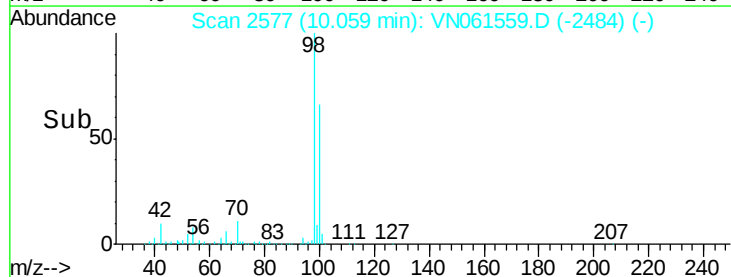
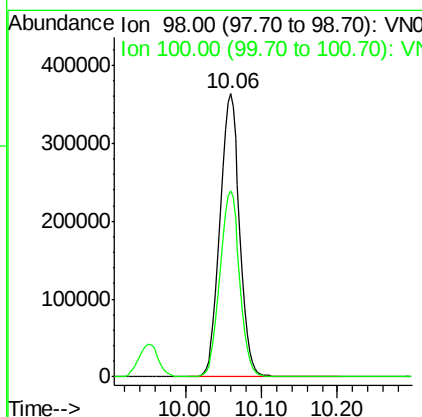
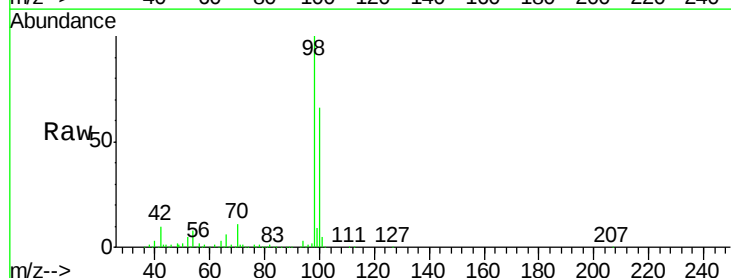
Manual Integrations
APPROVED

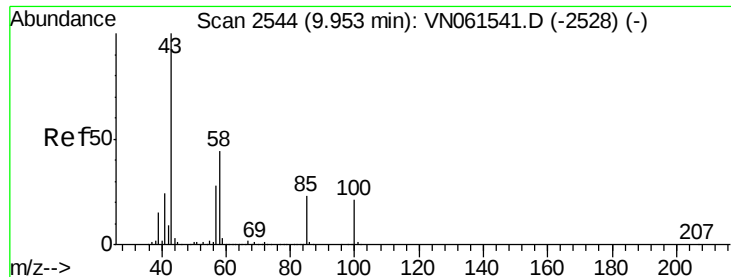
MMDadoda
6/1/2020 12:29:51 PM



#50
Toluene-d8
Concen: 50.428 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	98	Resp	654101
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.8	79.2





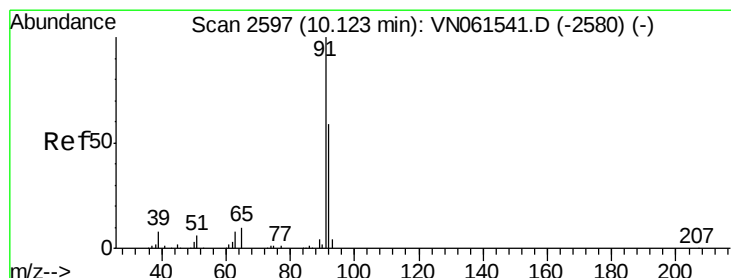
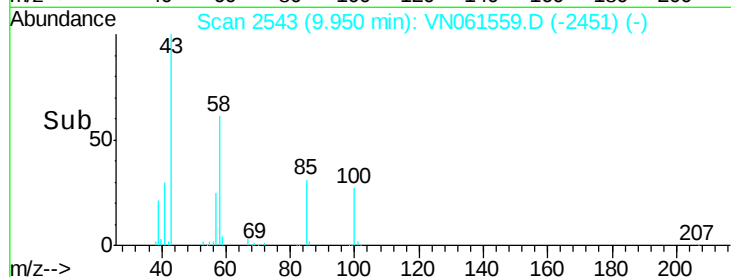
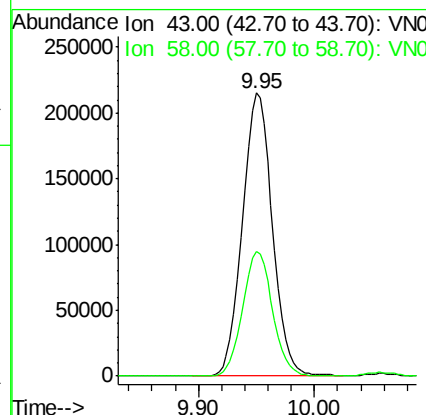
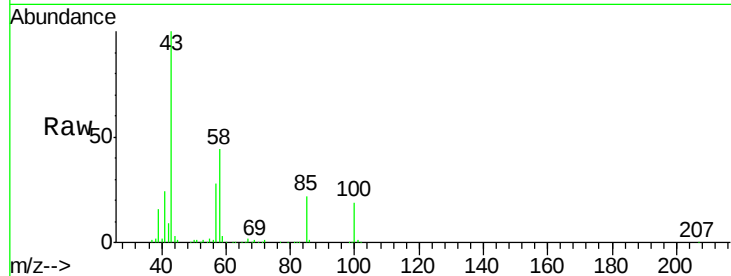
#51
 4-Methyl-2-Pentanone
 Concen: 96.607 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.0	52.6

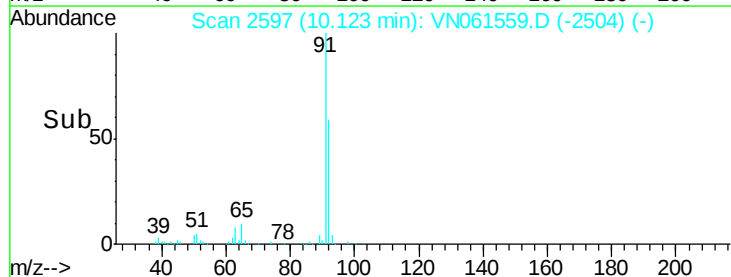
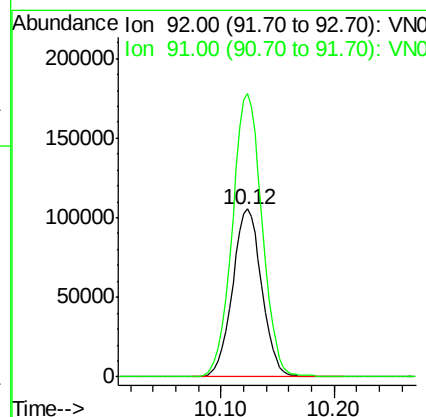
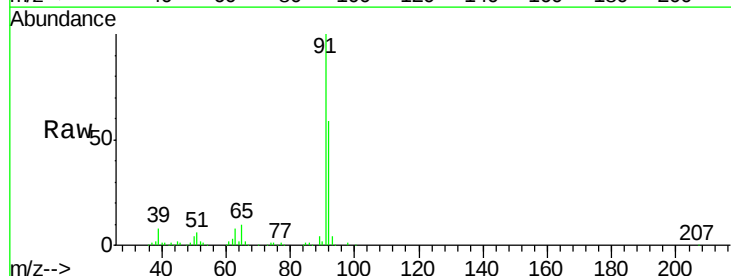
Manual Integrations
 APPROVED

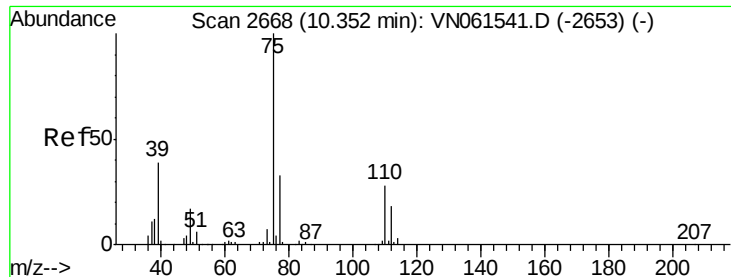
MMDadoda
 6/1/2020 12:29:51 PM



#52
 Toluene
 Concen: 19.297 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	136.4	204.6





#53

t-1,3-Dichloropropene

Concen: 19.247 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0529WBSD01

Tot Ion: 75 Resp: 112746

Ion Ratio Lower Upper

75 100

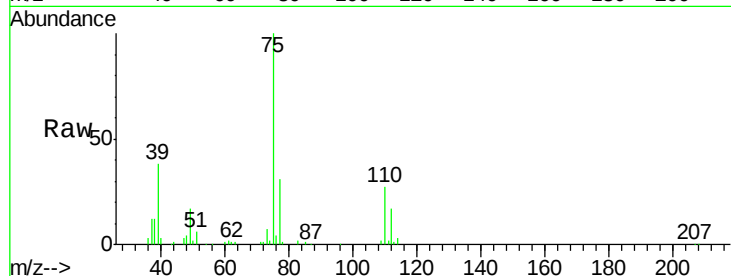
77 30.9 26.2 39.4

Manual Integrations

APPROVED

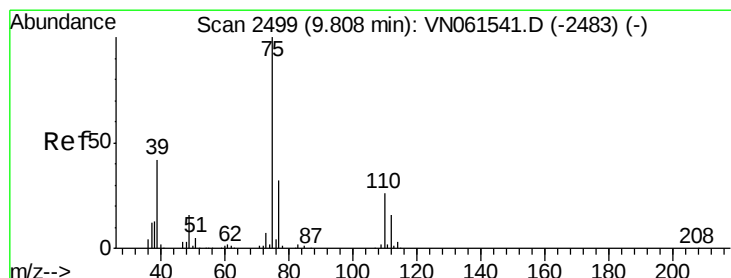
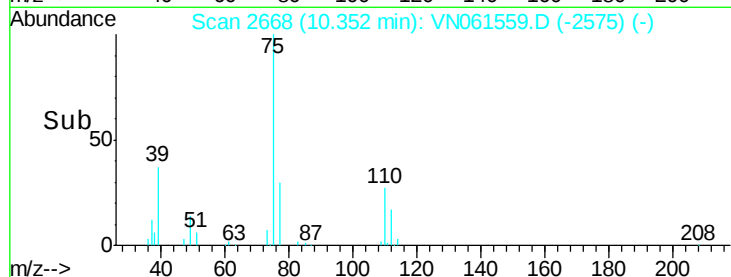
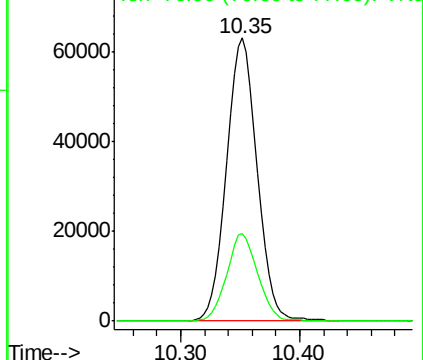
MMDadoda

6/1/2020 12:29:51 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.159 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

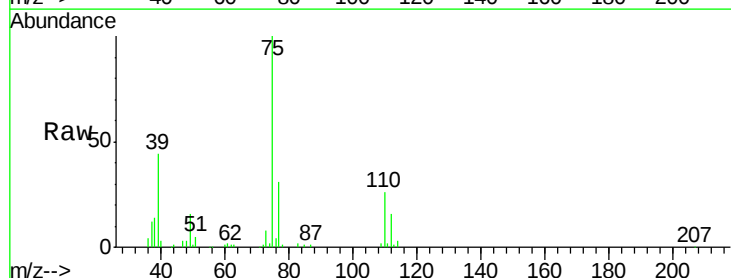
Tgt Ion: 75 Resp: 120677

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2

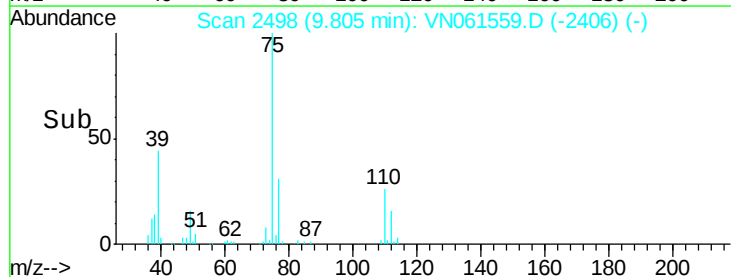
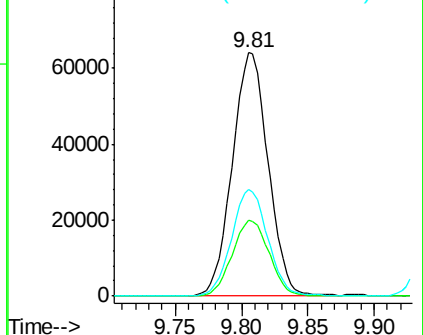
39 43.8 33.8 50.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





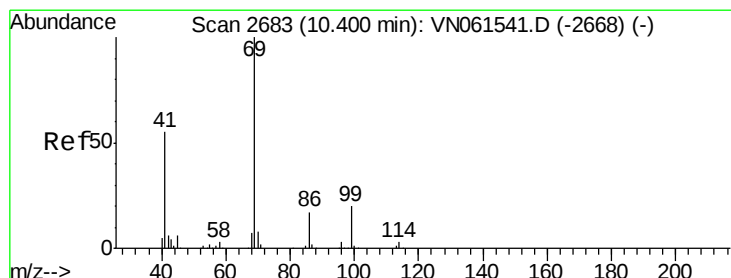
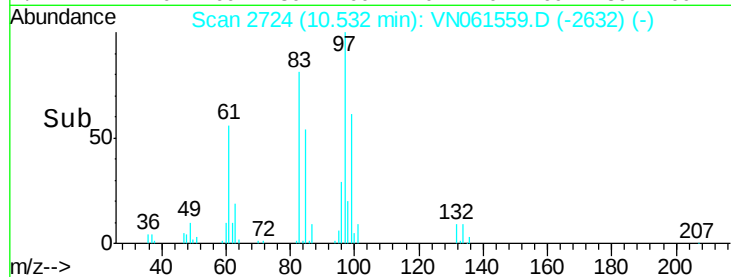
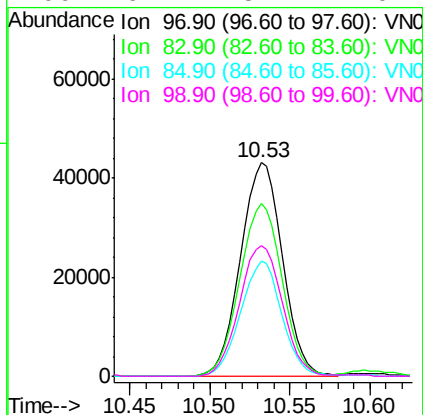
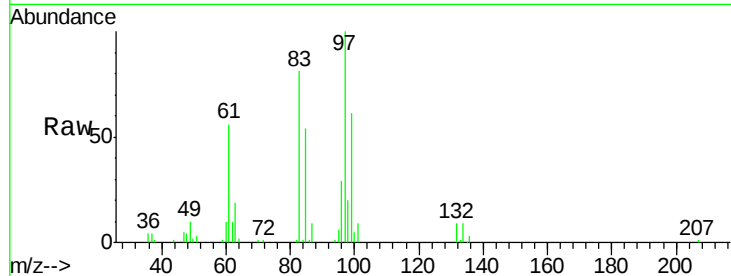
#55
 1,1,2-Trichloroethane
 Concen: 19.662 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion:	97	Resp:	77057
Ion	Ratio	Lower	Upper
97	100		
83	80.7	68.1	102.1
85	53.8	44.1	66.1
99	61.2	51.1	76.7

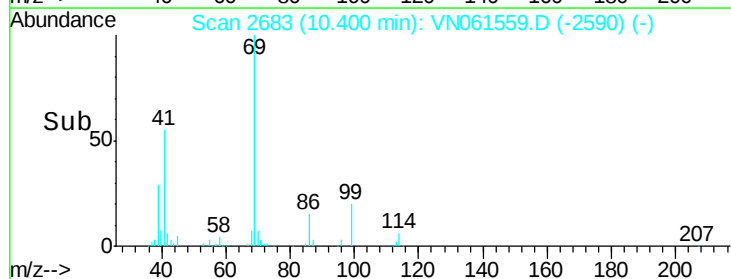
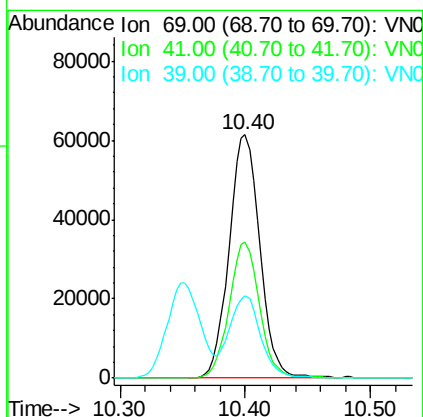
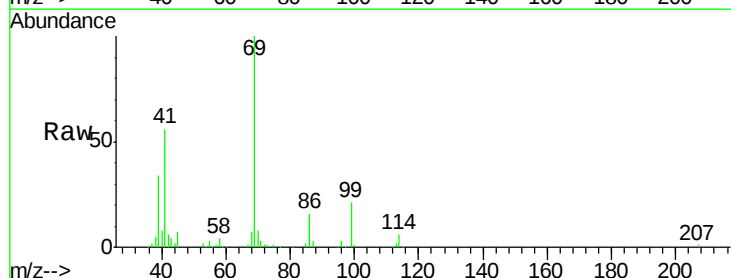
Manual Integrations
 APPROVED

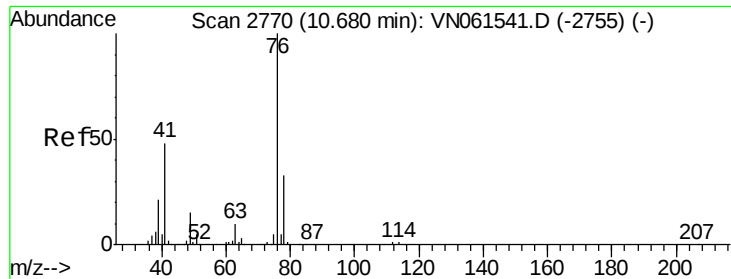
MMDadoda
 6/1/2020 12:29:51 PM



#56
 Ethyl methacrylate
 Concen: 19.125 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Tgt Ion:	69	Resp:	104700
Ion	Ratio	Lower	Upper
69	100		
41	55.2	43.5	65.3
39	34.0	27.0	40.6





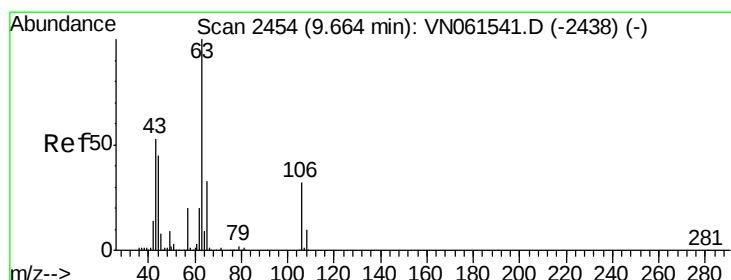
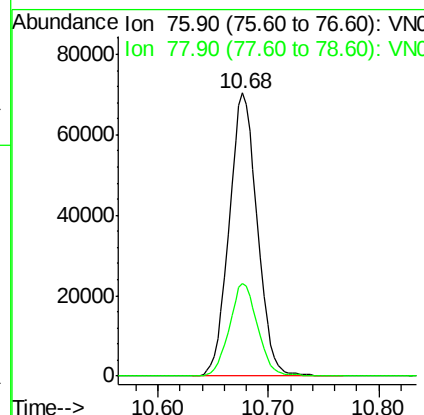
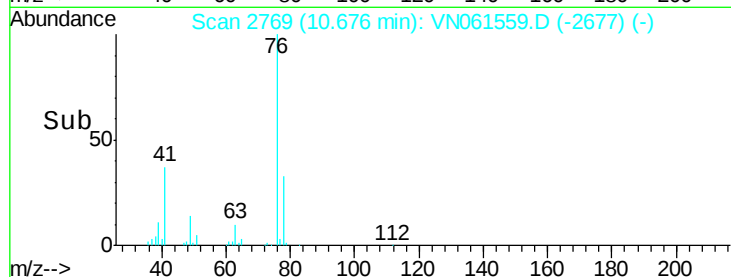
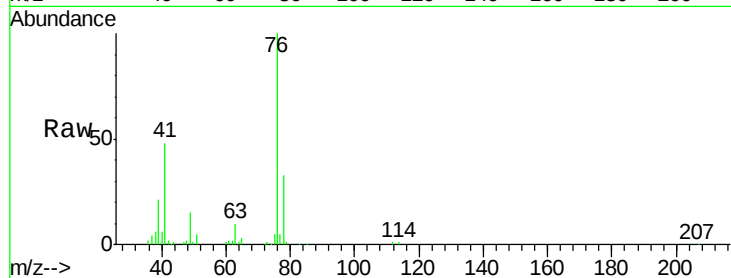
#57
 1,3-Dichloropropane
 Concen: 19.848 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.3	39.5

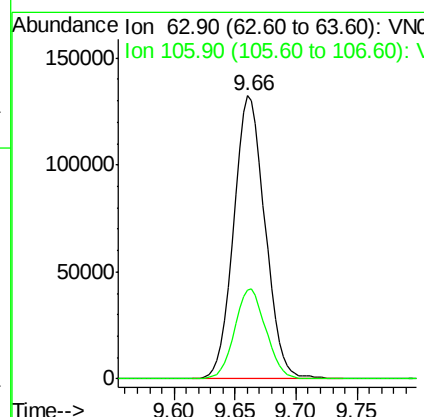
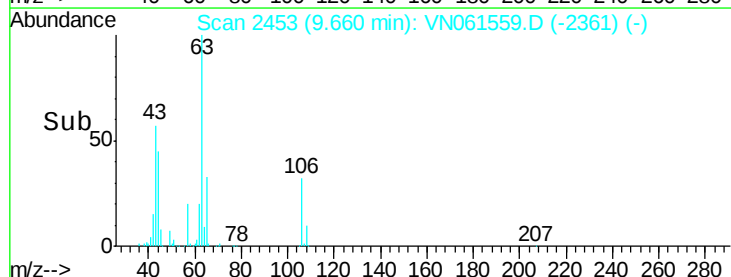
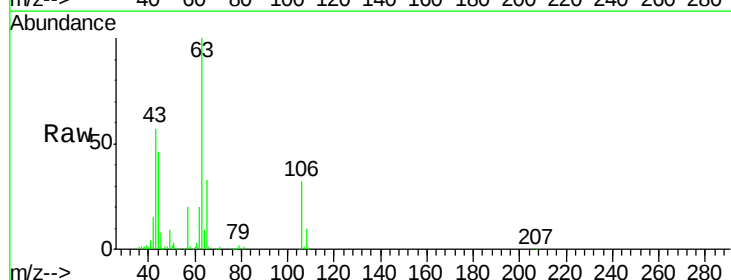
Manual Integrations
 APPROVED

MMDadoda
 6/1/2020 12:29:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.306 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.9	38.9





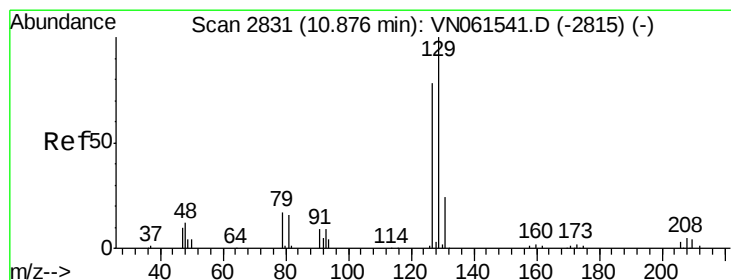
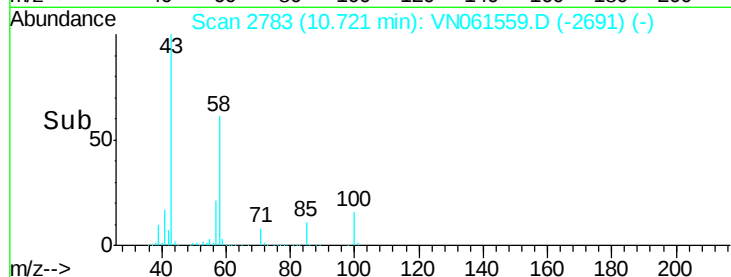
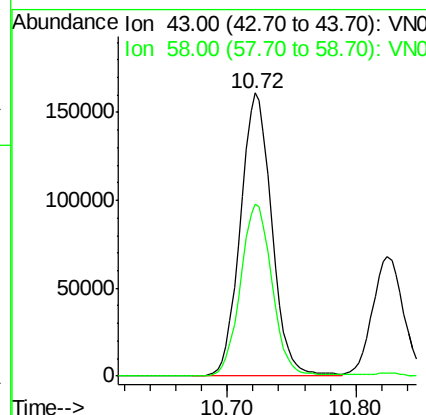
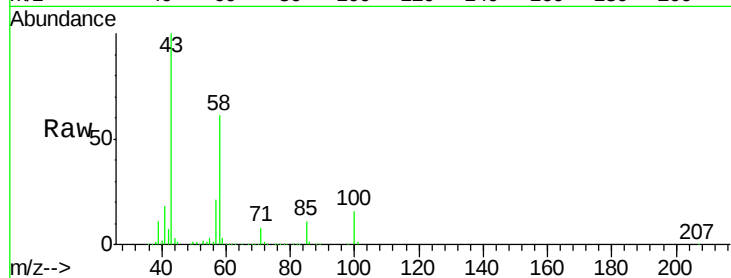
#59
2-Hexanone
Concen: 94.921 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion: 43 Resp: 271907
Ion Ratio Lower Upper
43 100
58 61.6 30.7 92.1

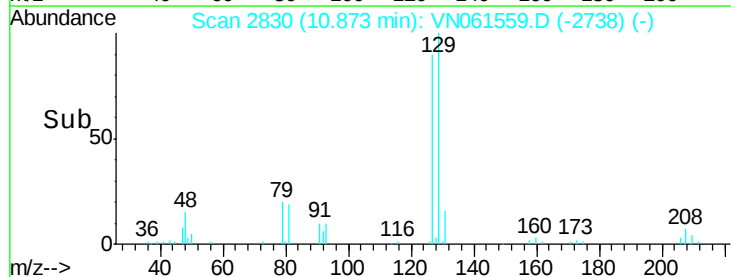
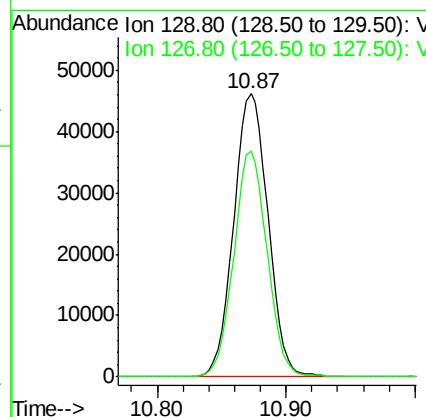
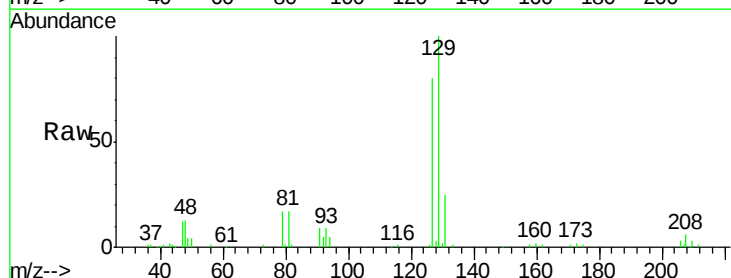
Manual Integrations
APPROVED

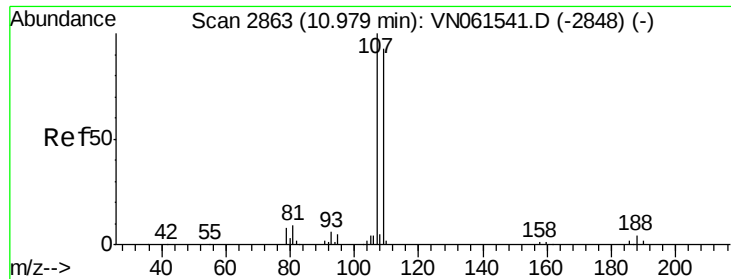
MMDadoda
6/1/2020 12:29:51 PM



#60
Dibromochloromethane
Concen: 19.164 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion: 129 Resp: 85384
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.540 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion:107 Resp: 79868

Ion Ratio Lower Upper

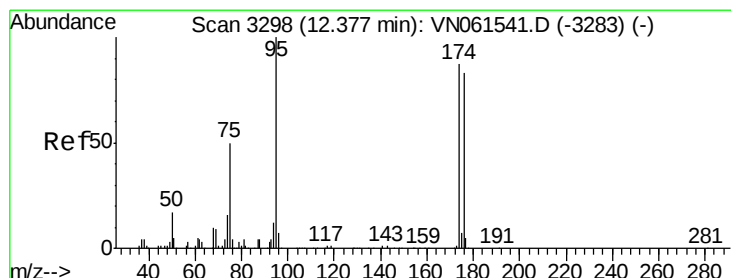
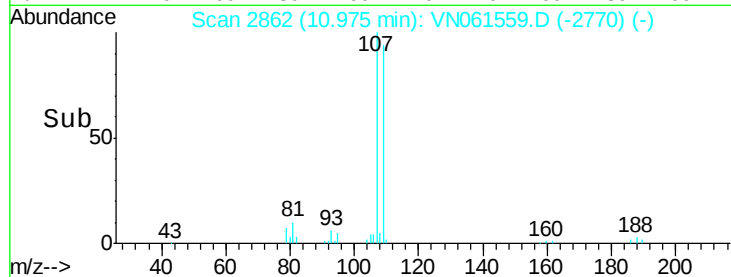
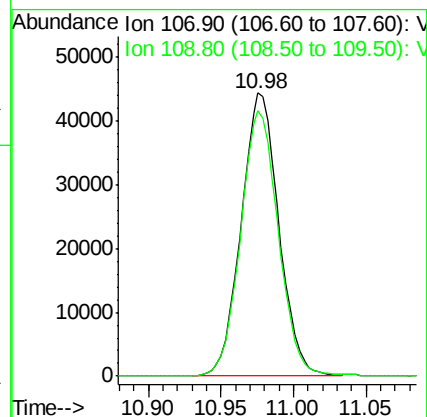
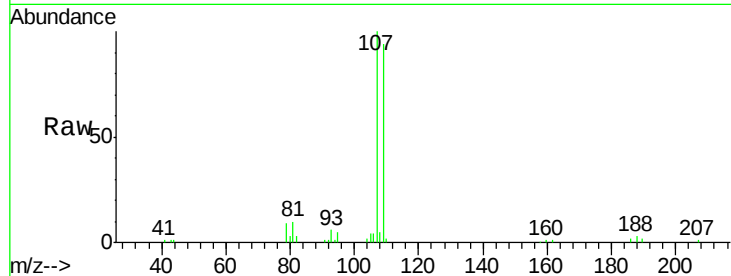
107 100

109 94.3 76.1 114.1

Manual Integrations
APPROVED

MMDadoda

6/1/2020 12:29:51 PM



#62

4-Bromofluorobenzene

Concen: 49.620 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

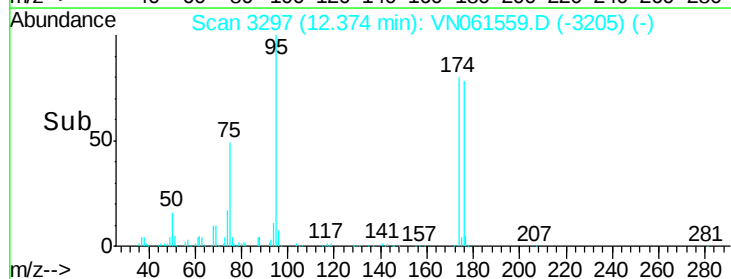
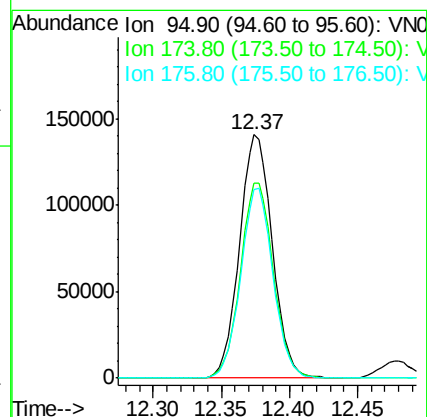
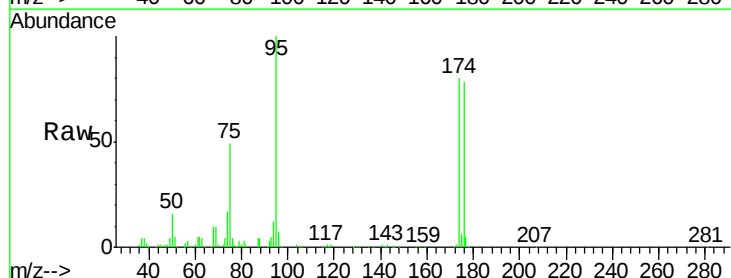
Tgt Ion: 95 Resp: 234816

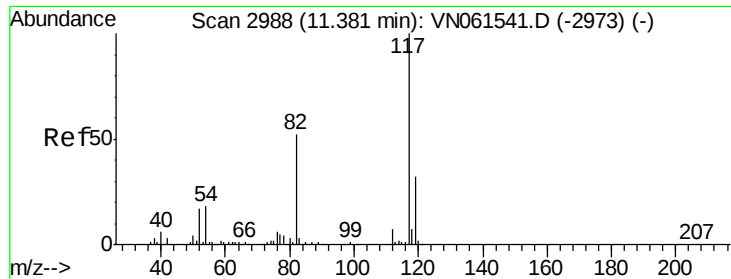
Ion Ratio Lower Upper

95 100

174 80.4 0.0 172.8

176 76.7 0.0 164.8





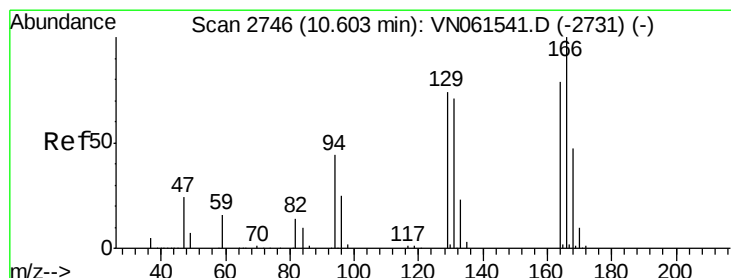
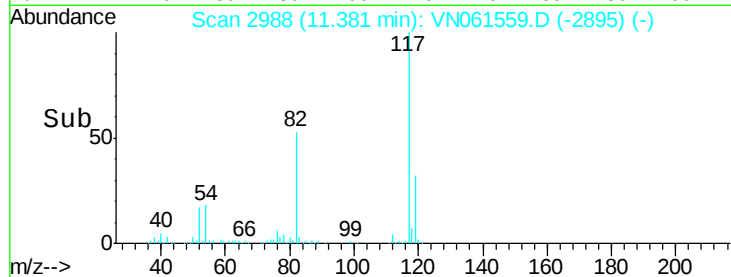
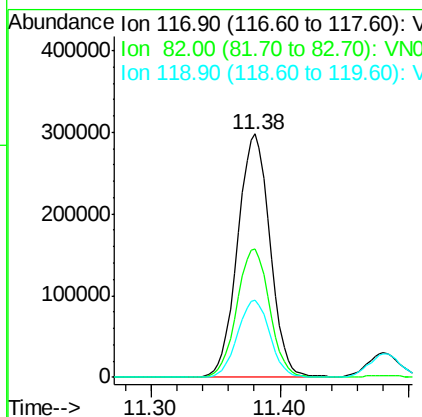
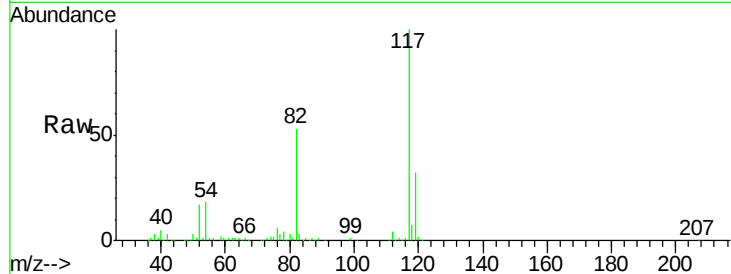
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	521532		
82	52.6		41.5	62.3
119	31.8		25.6	38.4

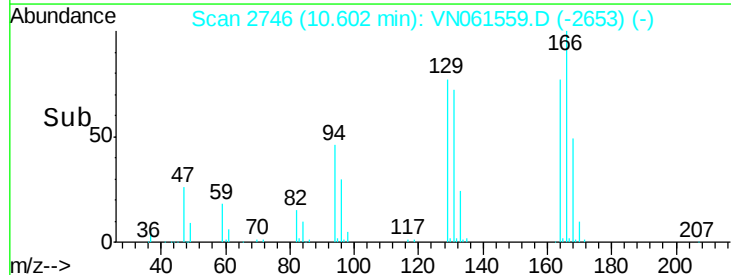
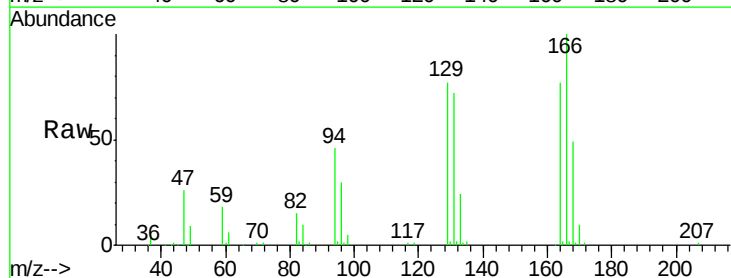
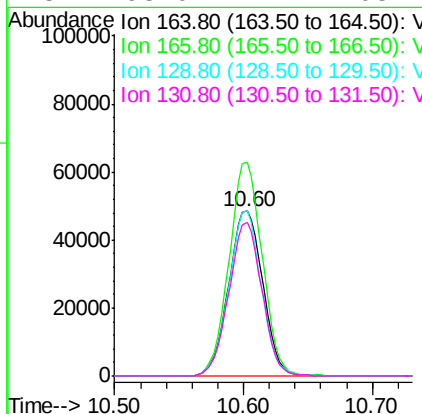
Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#64
Tetrachloroethene
Concen: 18.128 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88996		
166	129.5		101.5	152.3
129	100.0		74.9	112.3
131	93.0		72.2	108.2





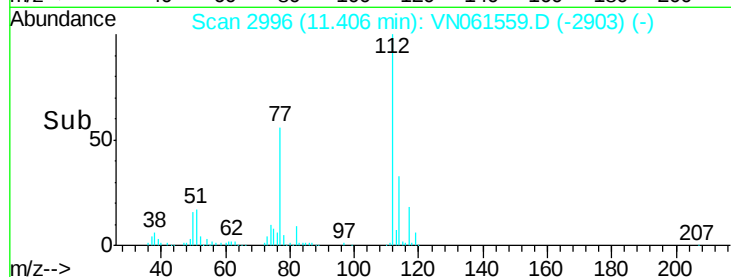
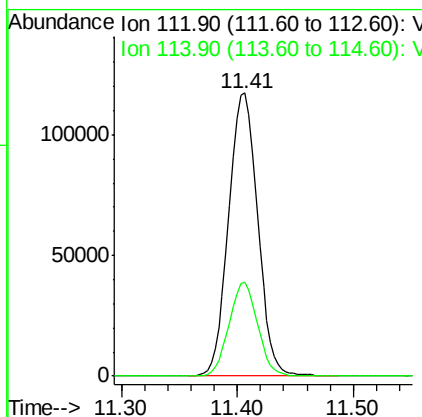
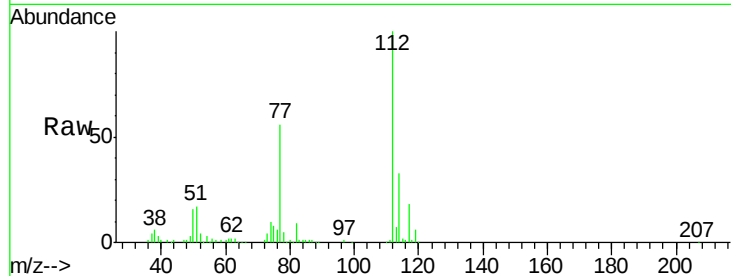
#65
Chlorobenzene
Concen: 18.776 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.7	38.5

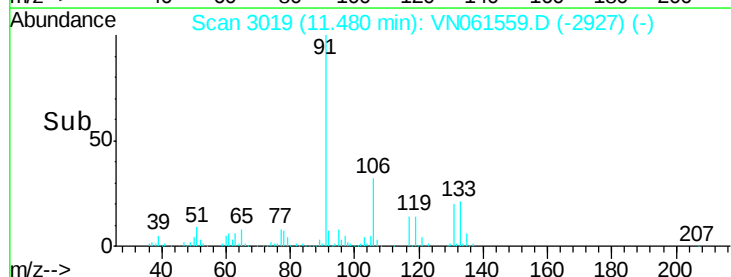
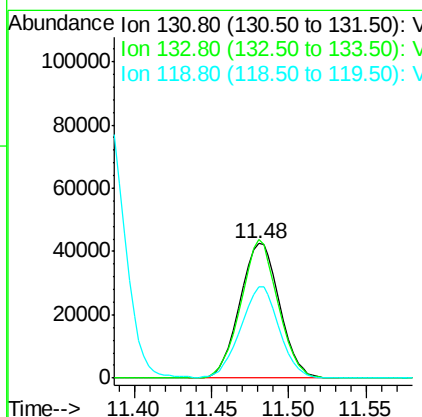
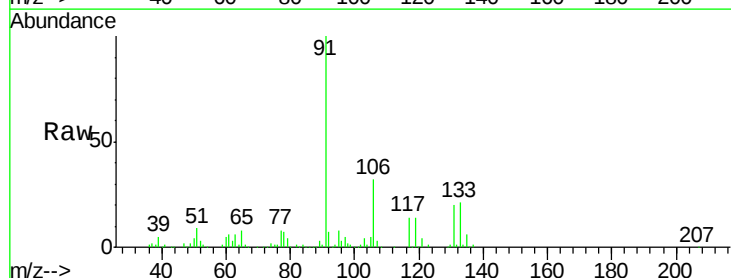
Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.858 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.4	142.2
119	66.2	32.6	97.8





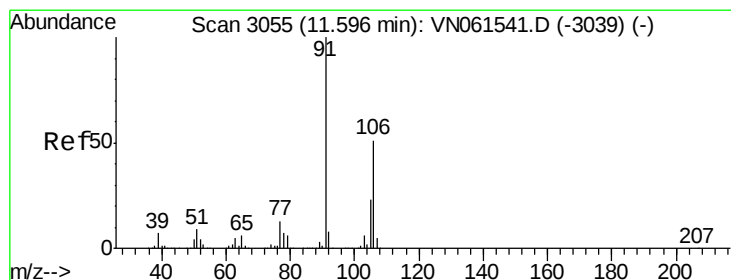
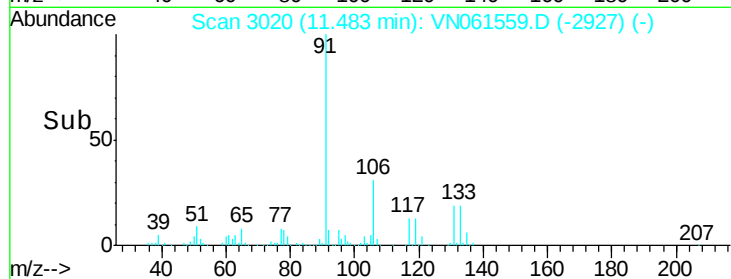
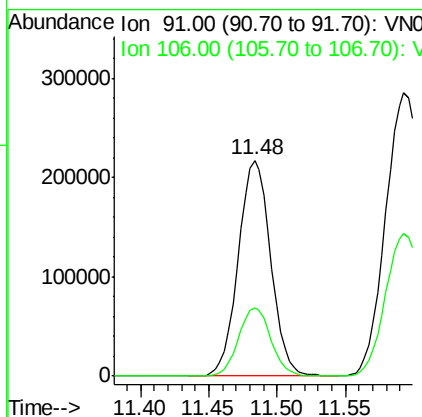
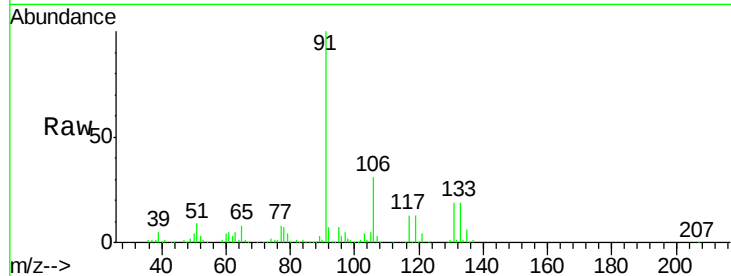
#67
Ethyl Benzene
Concen: 19.165 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.6	38.4

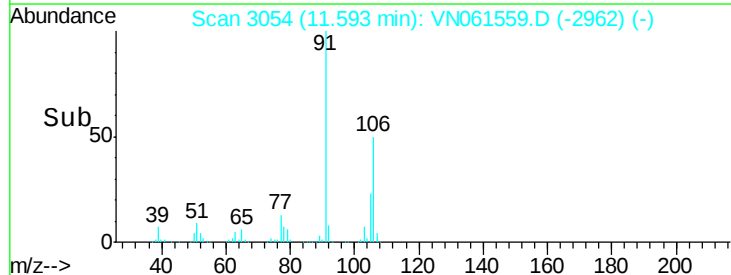
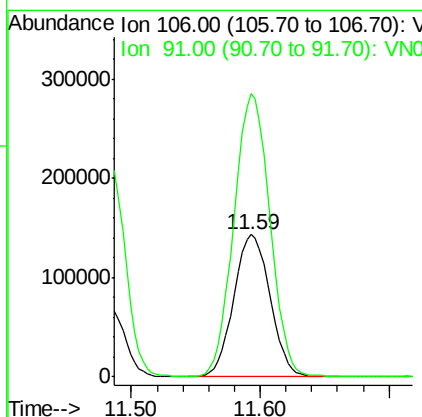
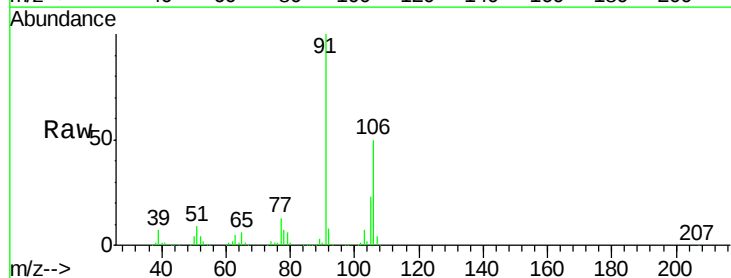
Manual Integrations
APPROVED

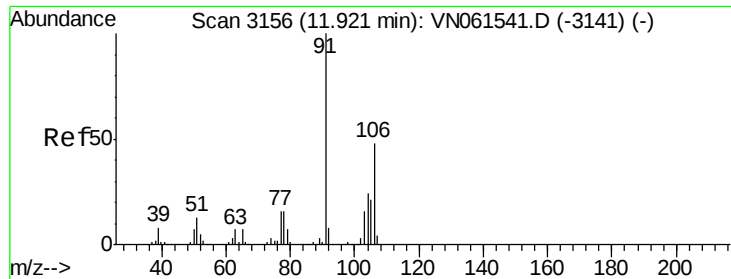
MMDadoda
6/1/2020 12:29:51 PM



#68
m/p-Xylenes
Concen: 37.810 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.0	156.2	234.4





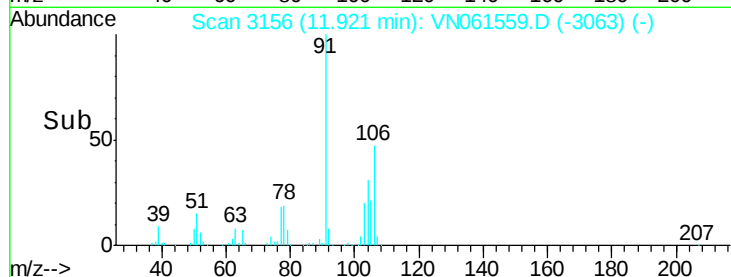
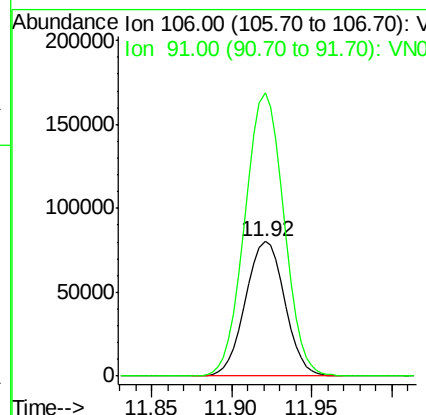
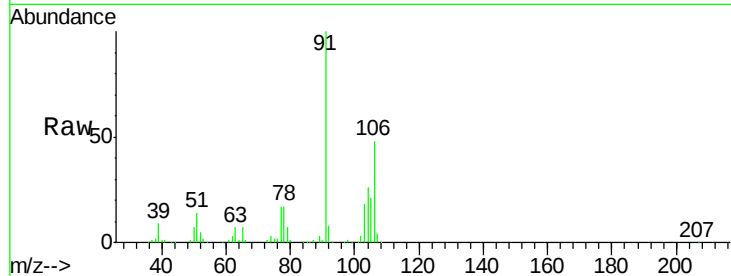
#69
o-Xylene
Concen: 19.102 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.5	103.3	309.8

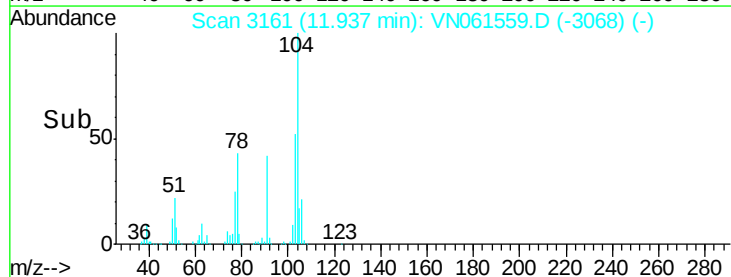
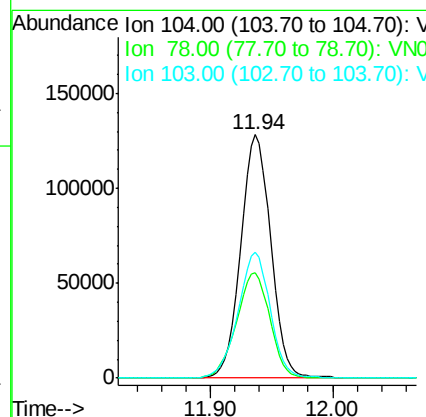
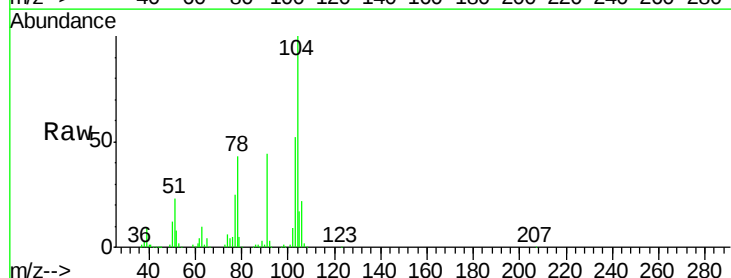
Manual Integrations
APPROVED

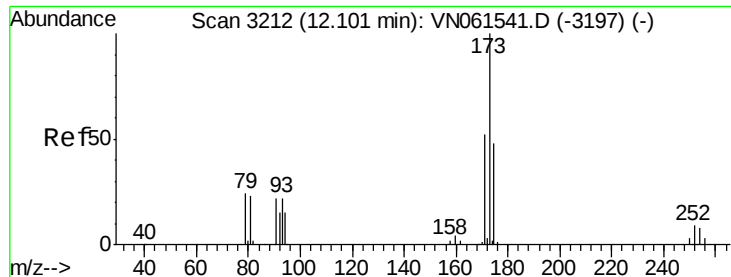
MMDadoda
6/1/2020 12:29:51 PM



#70
Styrene
Concen: 18.709 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	37.4	56.0
103	55.6	42.3	63.5





#71

Bromoform

Concen: 17.459 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion:173 Resp: 54304

Ion Ratio Lower Upper

173 100

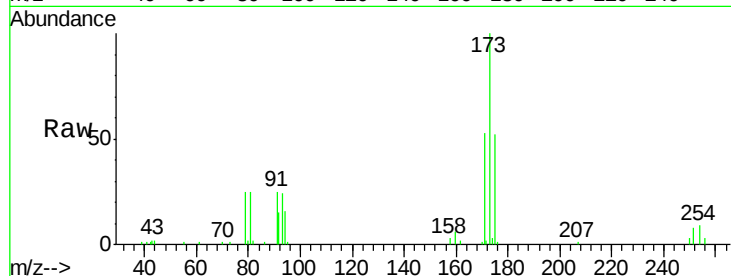
175 48.9 24.4 73.2

254 0.0 0.0 0.0

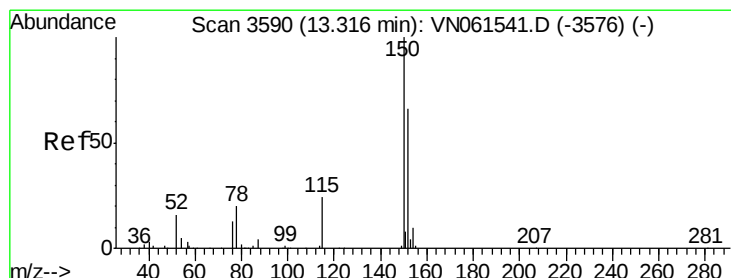
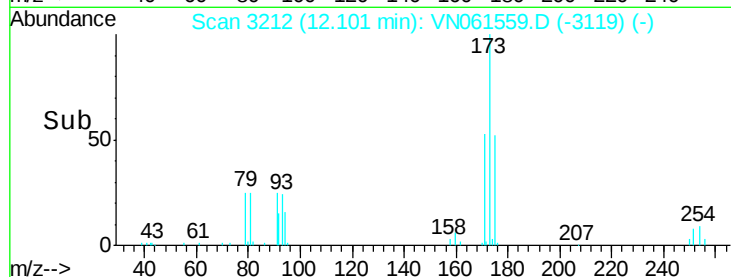
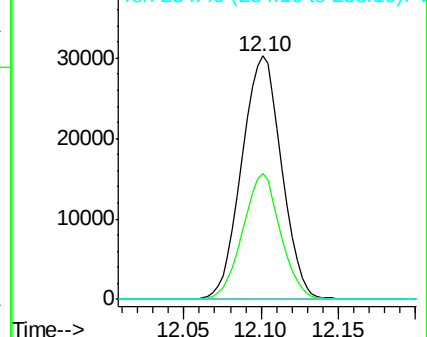
Manual Integrations
APPROVED

MMDadoda

6/1/2020 12:29:51 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

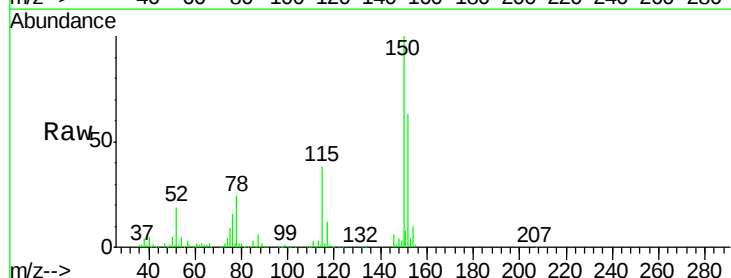
Tgt Ion:152 Resp: 251234

Ion Ratio Lower Upper

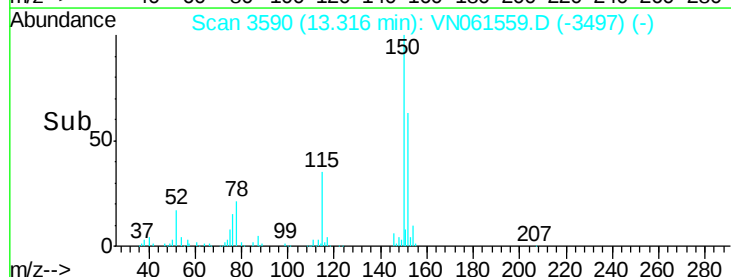
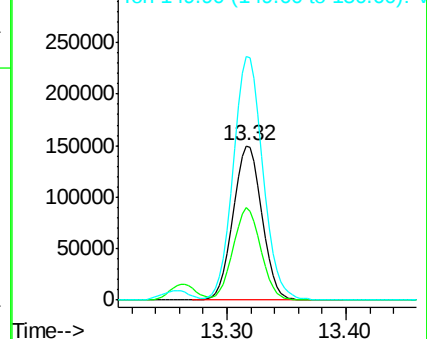
152 100

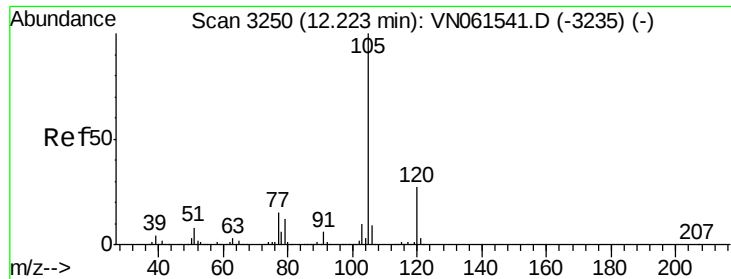
115 57.8 28.0 84.0

150 162.7 0.0 344.0



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





#73

Isopropylbenzene

Concen: 19.453 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0529WBSD01

Tot Ion:105 Resp: 356707

Ion Ratio Lower Upper

105 100

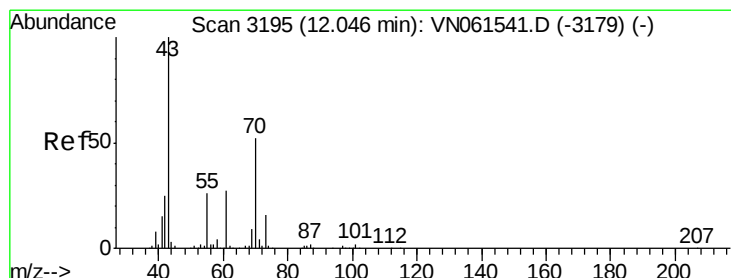
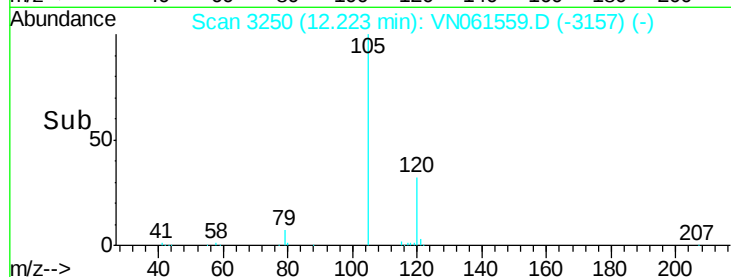
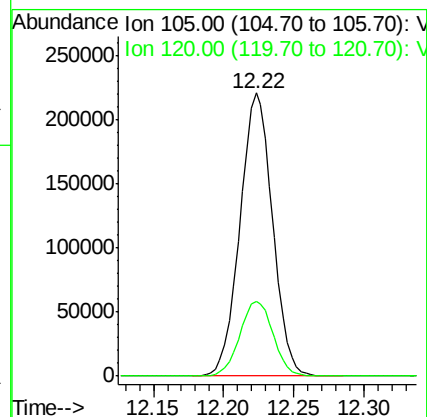
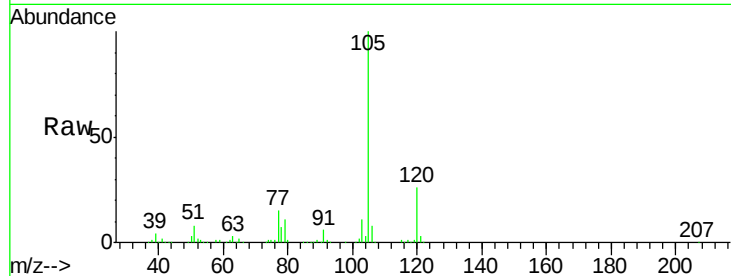
120 27.1 13.8 41.3

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:51 PM



#74

N-ethyl acetate

Concen: 18.931 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion: 43 Resp: 109321

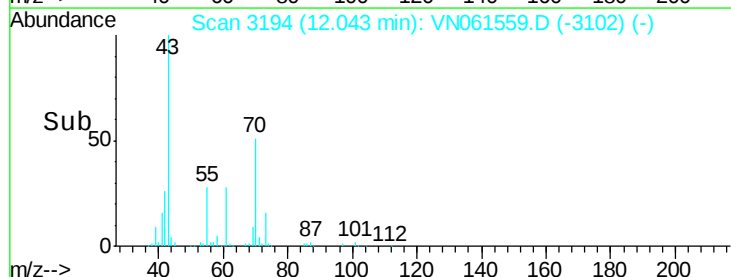
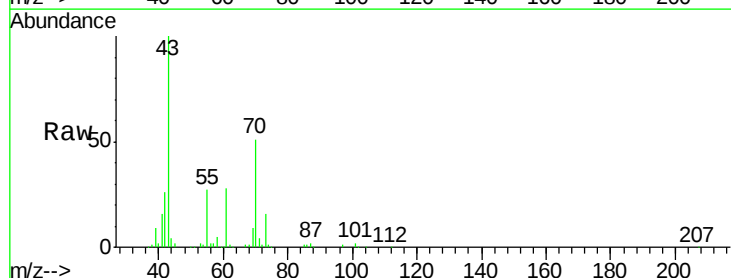
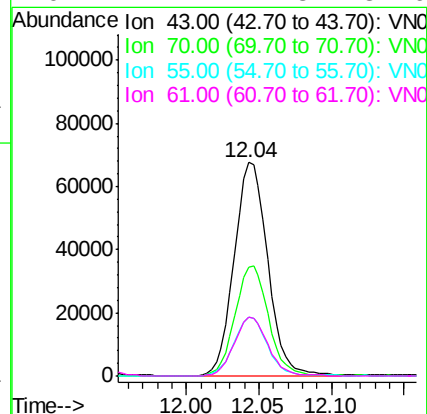
Ion Ratio Lower Upper

43 100

70 51.4 40.5 60.7

55 27.8 20.6 31.0

61 27.7 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.114 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

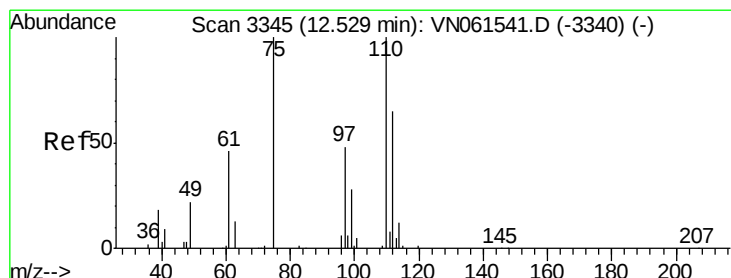
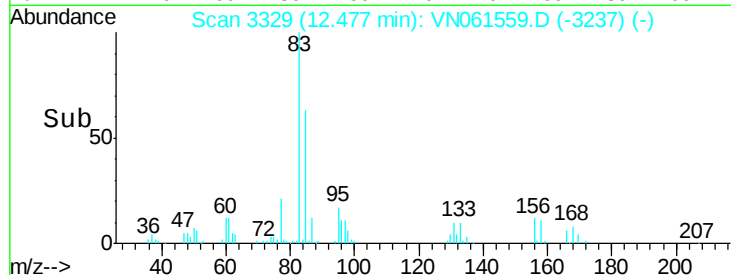
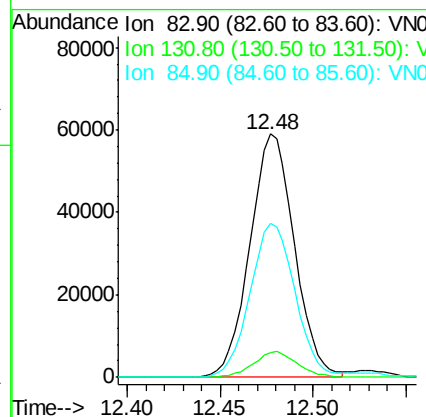
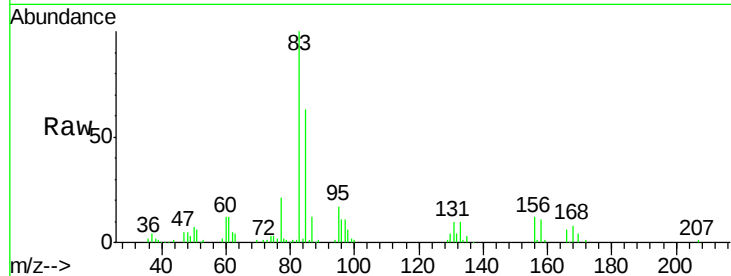
ClientSampleId :

VN0529WBSD01

Tot Ion:	83	Resp:	98220
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.5
85	64.5	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#76

1,2,3-Trichloropropane

Concen: 18.531 ug/l m

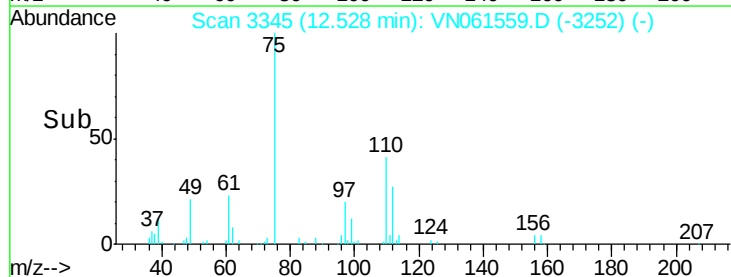
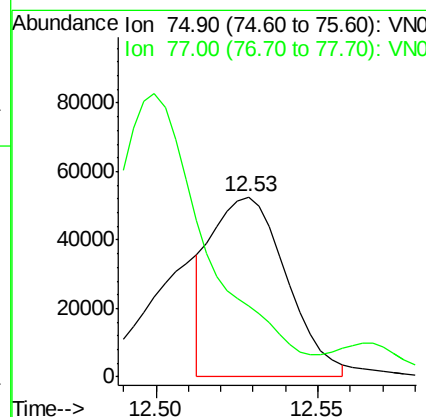
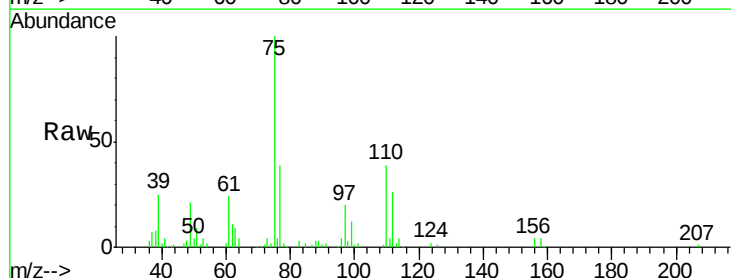
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	75	Resp:	84657
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.568 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

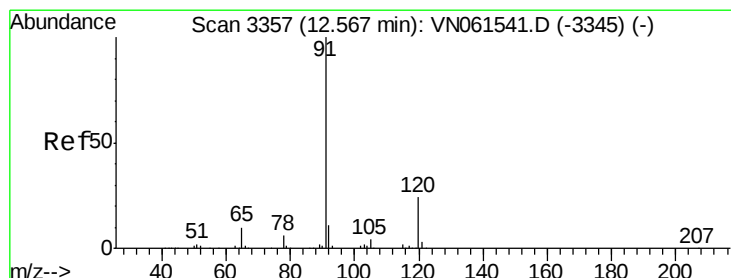
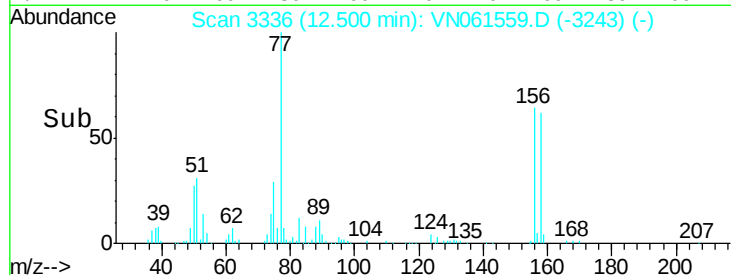
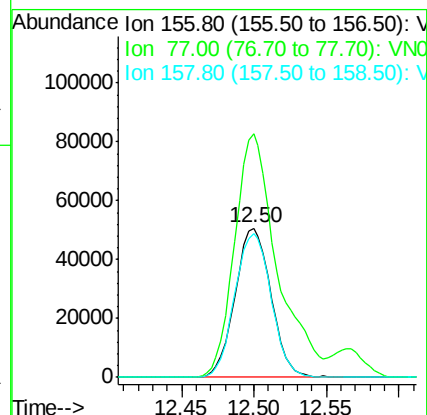
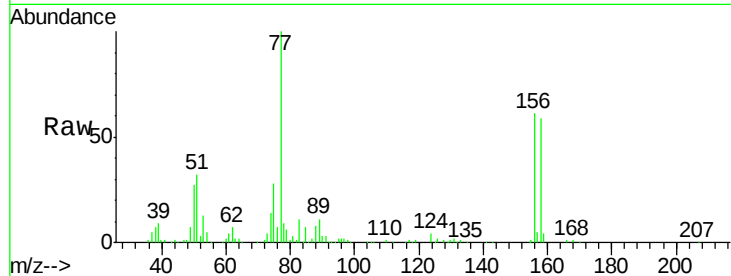
ClientSampleId :

VN0529WBSD01

Tot Ion:	156	Resp:	86910
Ion	Ratio	Lower	Upper
156	100		
77	194.4	90.9	272.7
158	98.1	48.4	145.3

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#78

n-propylbenzene

Concen: 19.531 ug/l

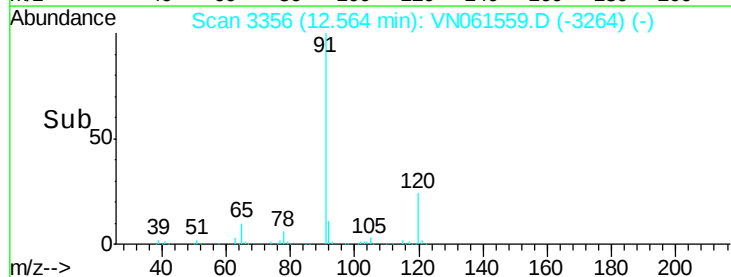
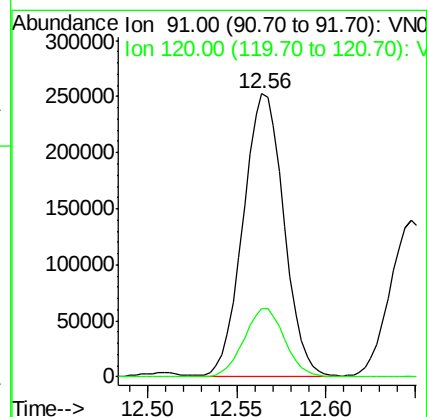
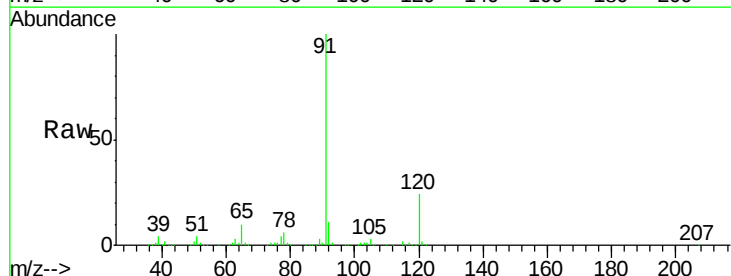
RT: 12.56 min Scan# 3356

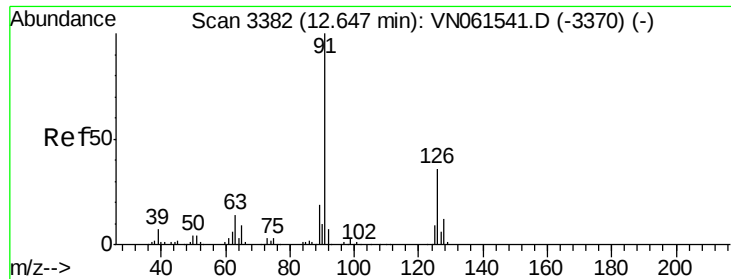
Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	91	Resp:	399813
Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.3	36.9





#79

2-Chlorotoluene

Concen: 19.174 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0529WBSD01

Tot Ion: 91 Resp: 234047

Ion Ratio Lower Upper

91 100

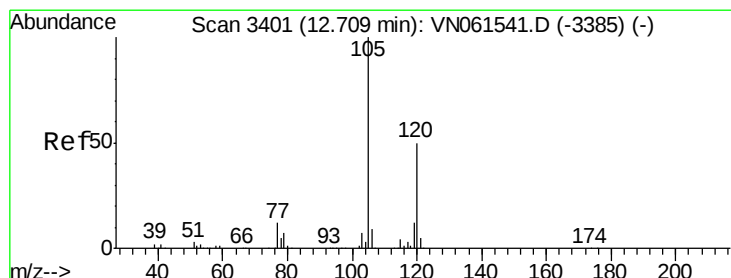
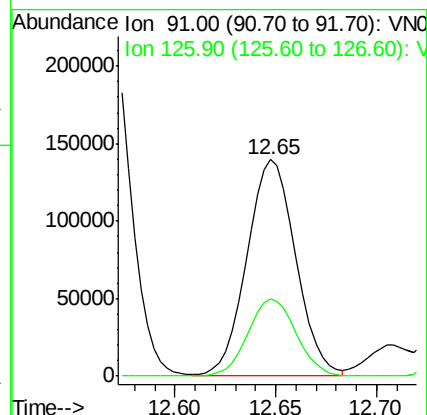
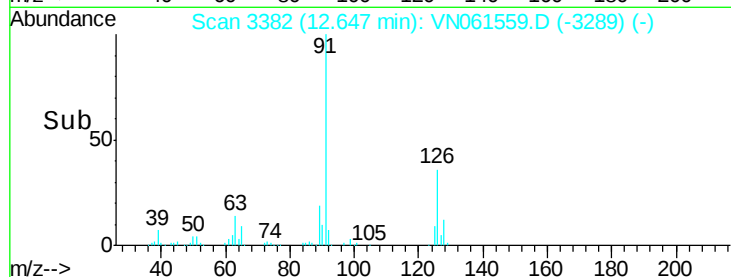
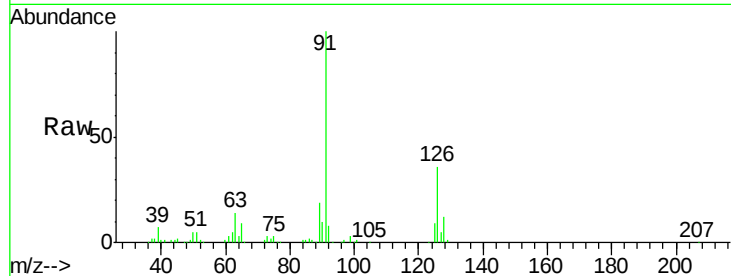
126 35.7 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:51 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.402 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061559.D

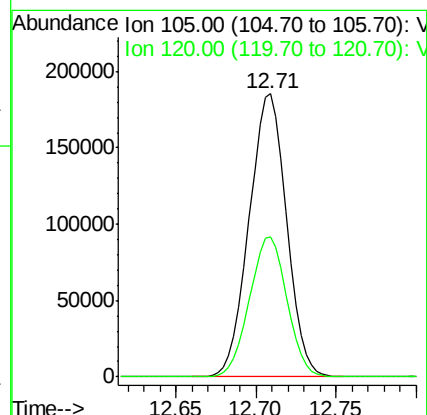
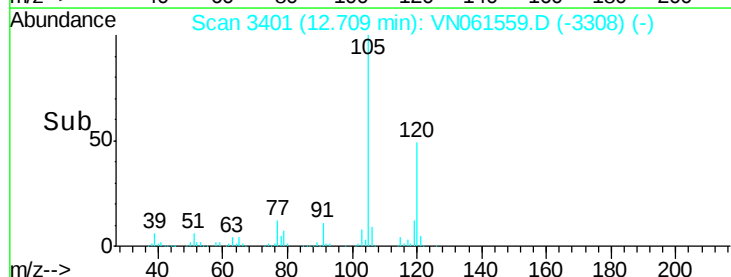
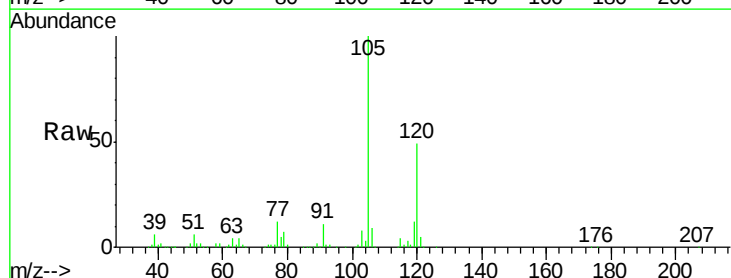
Acq: 29 May 2020 12:05

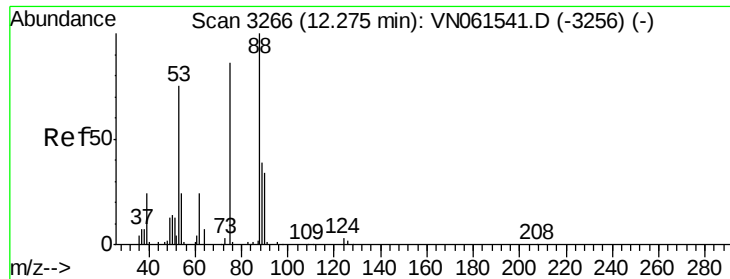
Tgt Ion: 105 Resp: 297357

Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.157 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

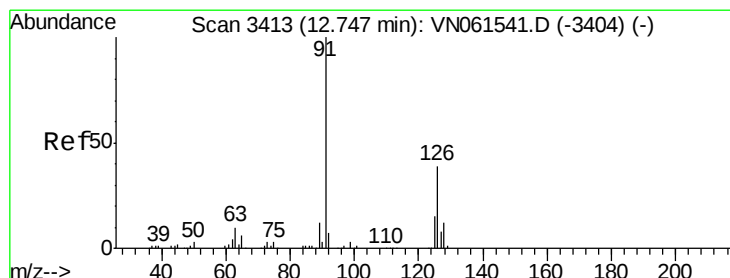
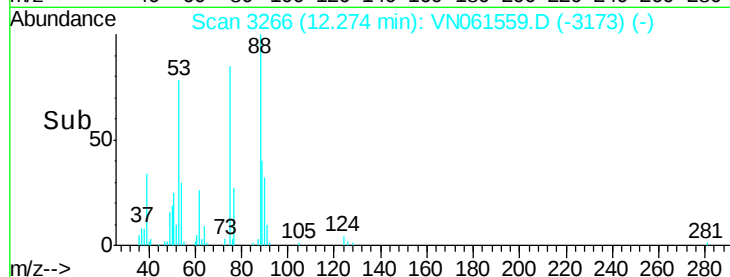
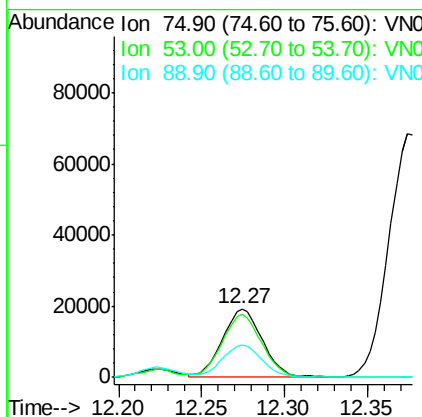
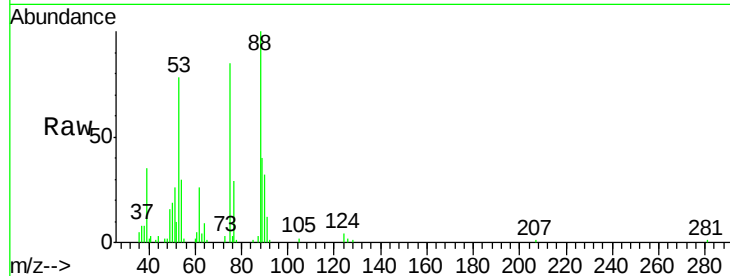
ClientSampleId :

VN0529WBSD01

Tot Ion:	75	Resp:	32436
Ion	Ratio	Lower	Upper
75	100		
53	88.0	67.8	101.8
89	46.5	37.1	55.7

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#82

4-Chlorotoluene

Concen: 19.031 ug/l

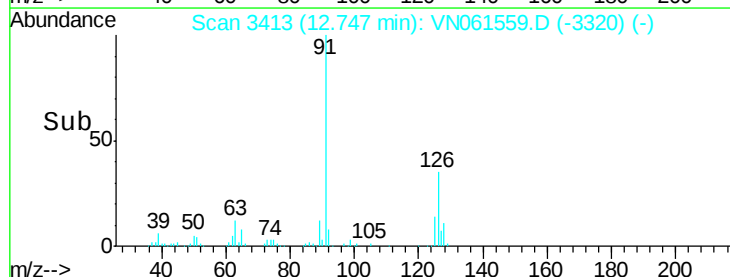
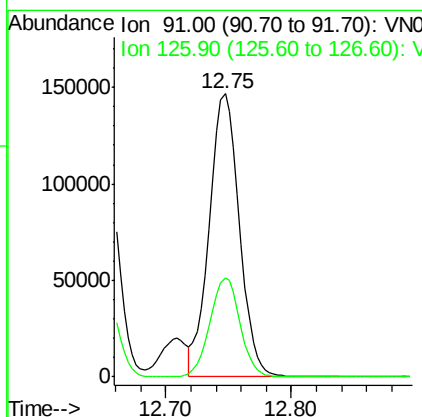
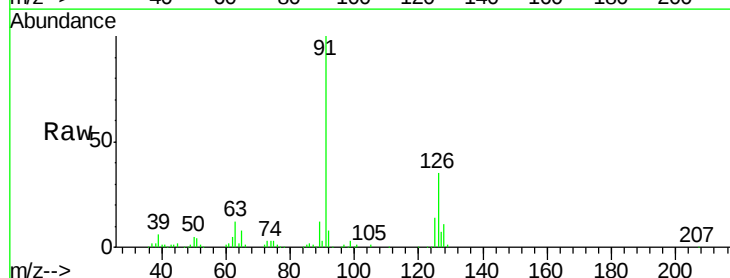
RT: 12.75 min Scan# 3413

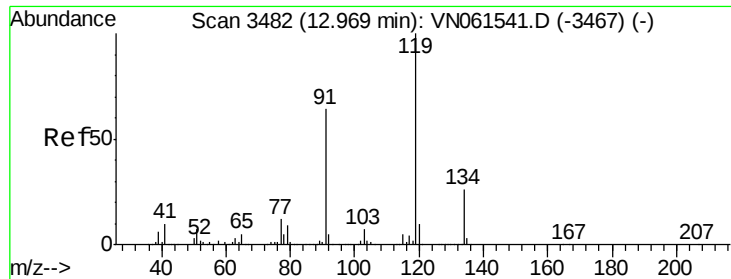
Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	91	Resp:	244384
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





#83

tert-Butylbenzene

Concen: 19.215 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

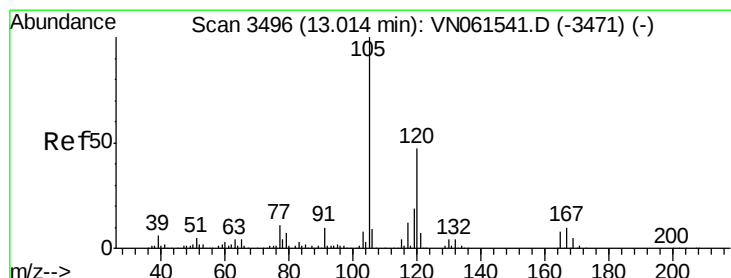
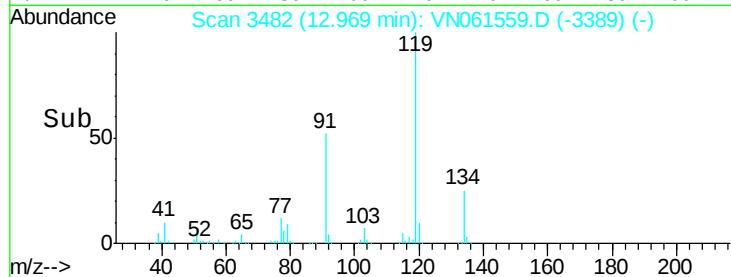
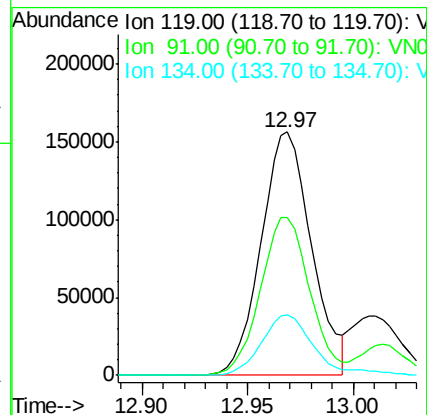
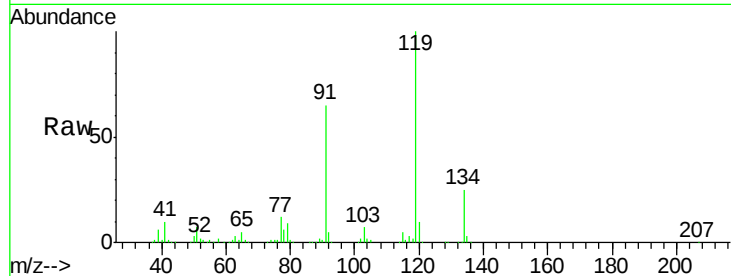
ClientSampleId :

VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	260200		
91	63.2	31.3	93.8	
134	26.1	13.5	40.4	

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#84

1,2,4-Trimethylbenzene

Concen: 19.833 ug/l

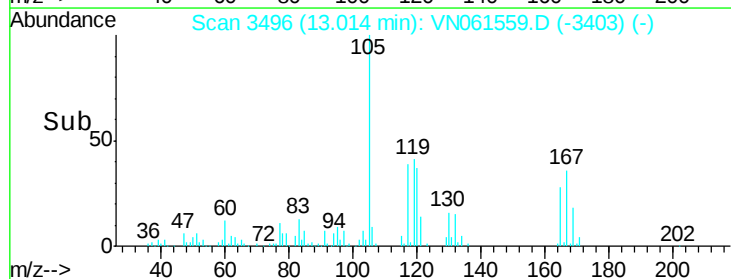
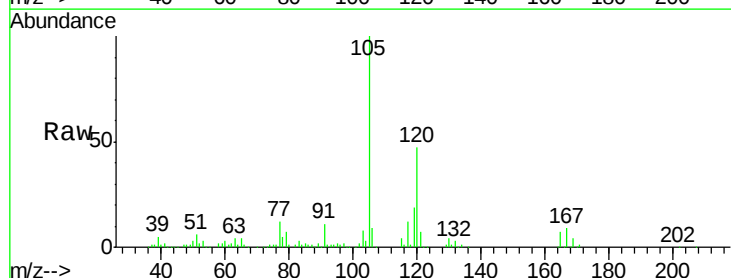
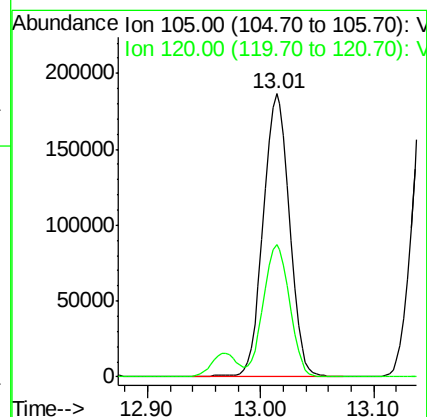
RT: 13.01 min Scan# 3496

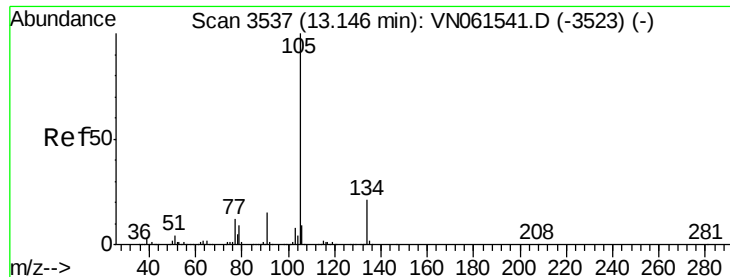
Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	301970		
120	47.0	23.2	69.5	





#85

sec-Butylbenzene

Concen: 19.358 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion:105 Resp: 337780

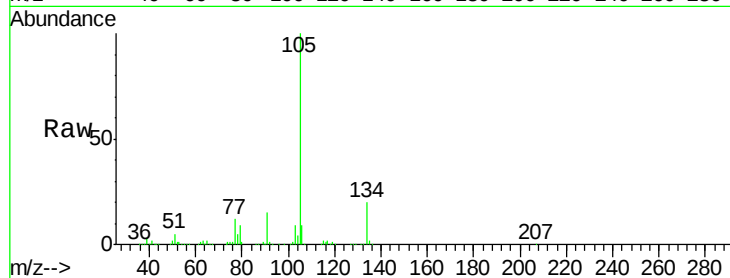
Ion Ratio Lower Upper

105 100

134 20.4 10.7 31.9

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

200000

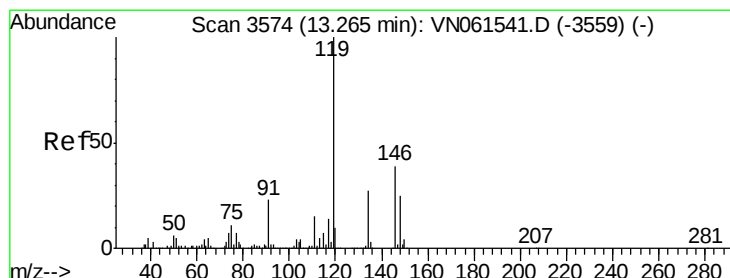
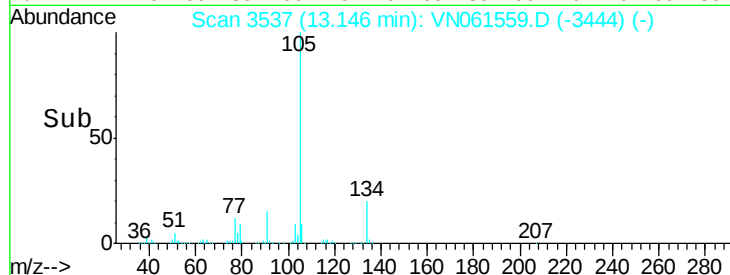
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 19.610 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

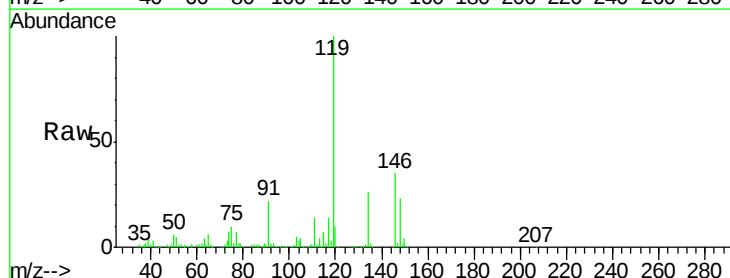
Tgt Ion:119 Resp: 315116

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 22.9 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

200000

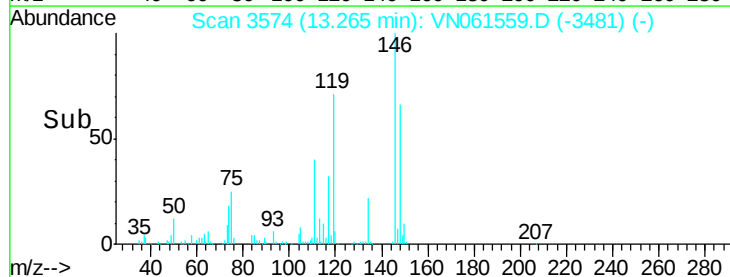
150000

100000

50000

0

Time--> 13.20 13.25 13.30





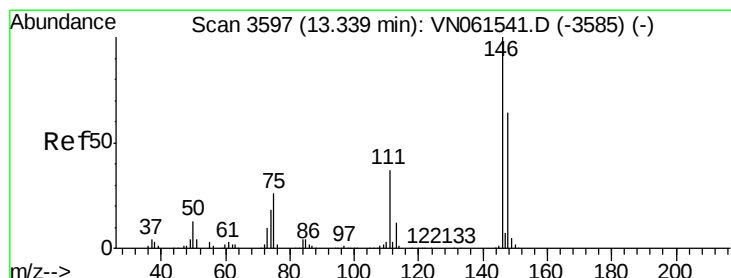
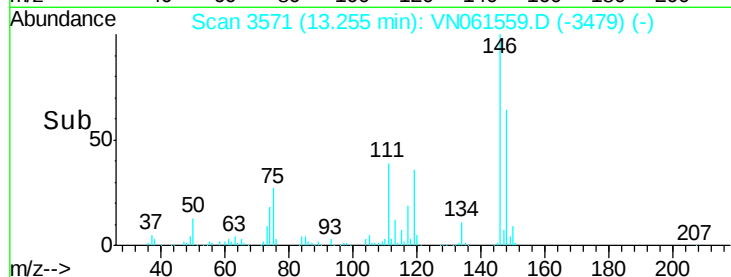
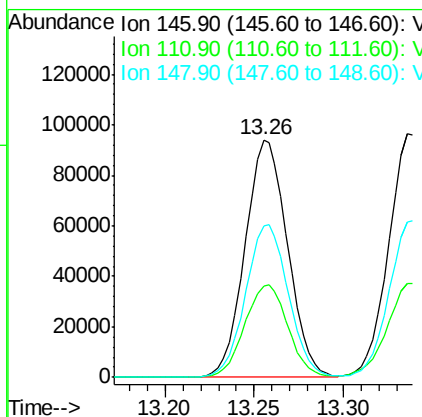
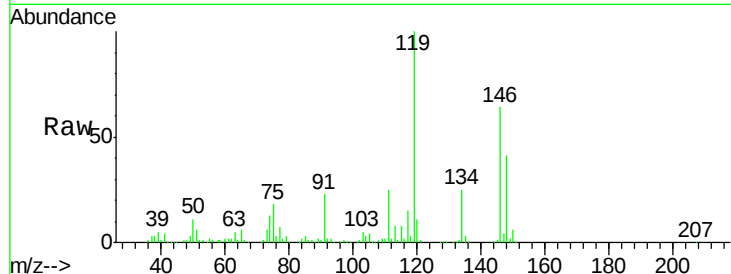
#87
 1,3-Dichlorobenzene
 Concen: 18.903 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156675		
111	39.7	19.2	57.6	
148	64.7	31.7	95.1	

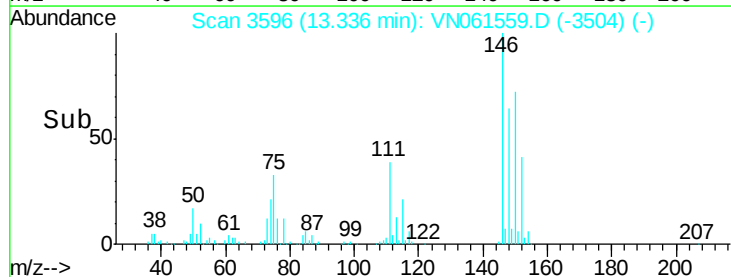
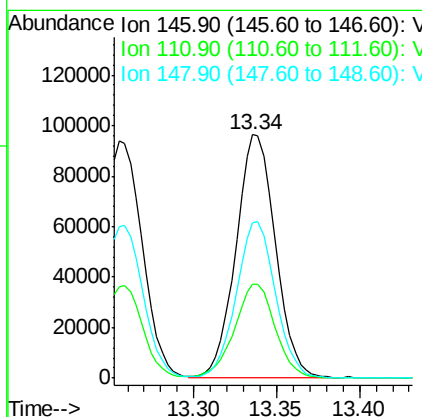
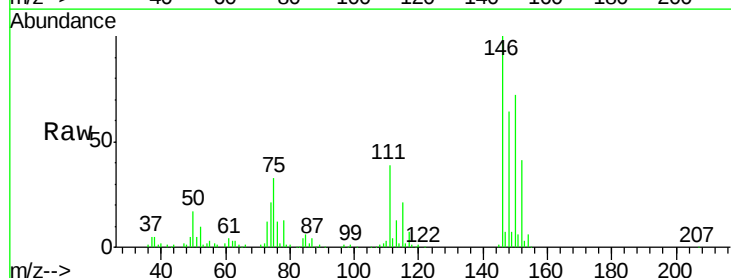
Manual Integrations
 APPROVED

MMDadoda
 6/1/2020 12:29:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.797 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	158718		
111	40.2	18.9	56.9	
148	64.4	31.8	95.3	





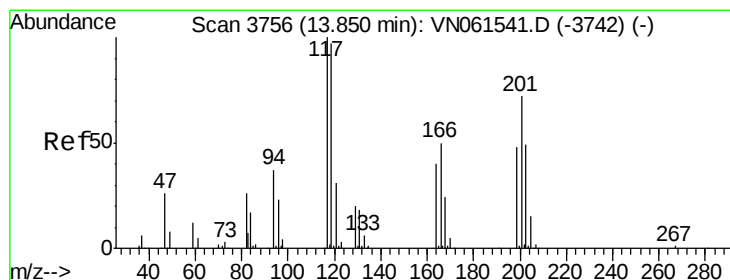
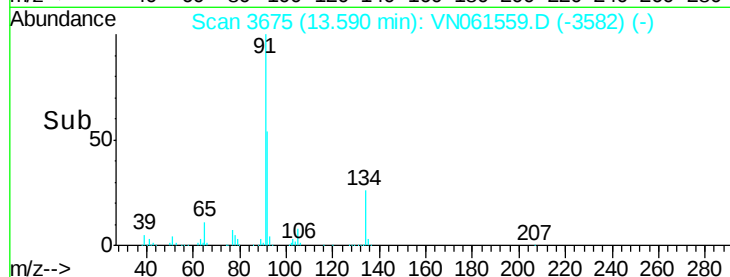
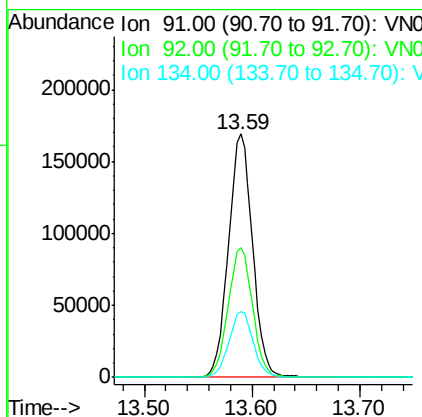
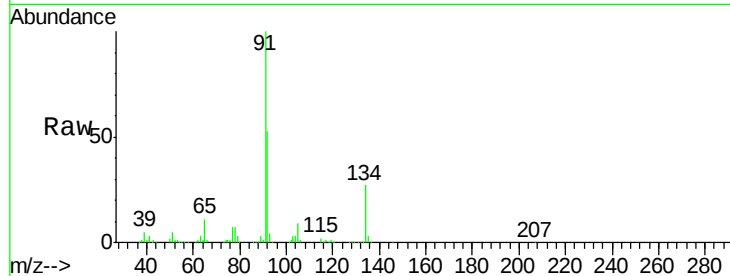
#89
n-Butylbenzene
Concen: 19.580 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	27.2	14.0	42.0

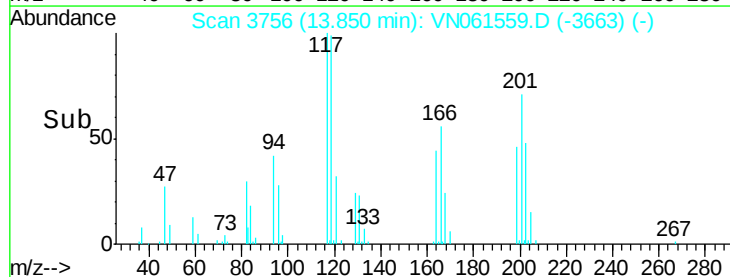
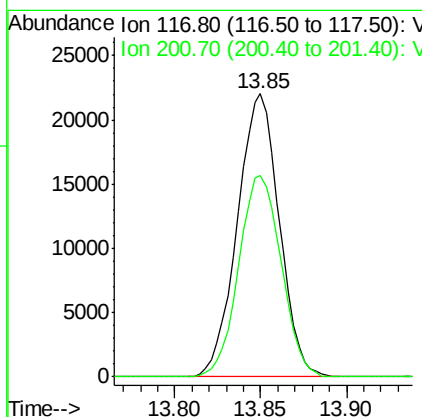
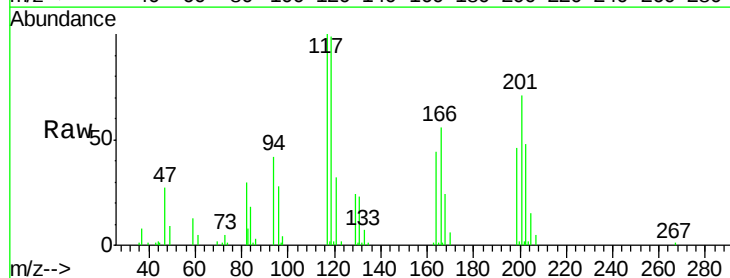
Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#90
Hexachloroethane
Concen: 21.028 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061559.D
Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.8	36.7	110.1





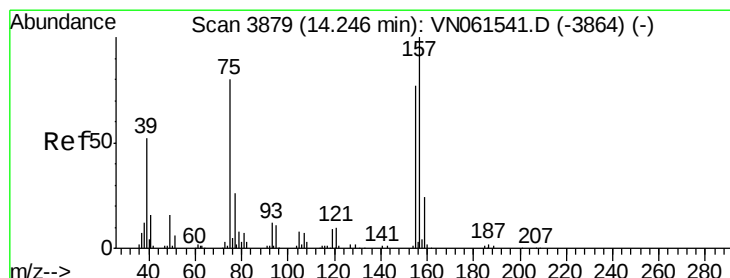
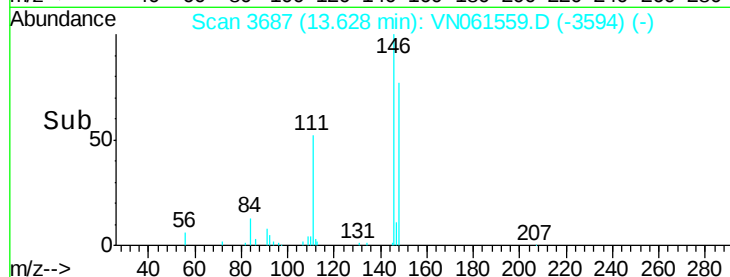
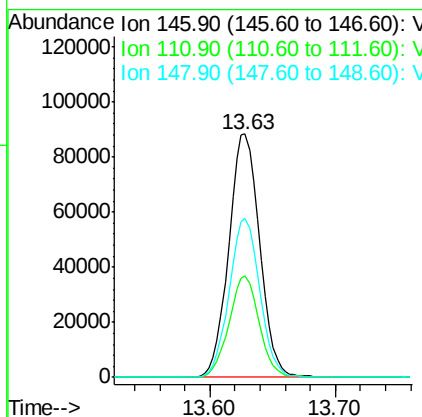
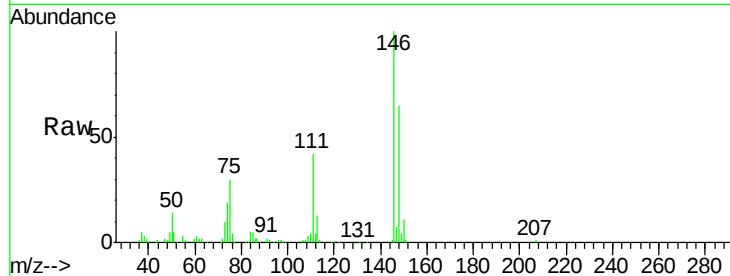
#91
 1,2-Dichlorobenzene
 Concen: 19.089 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	64.6	31.9	95.5

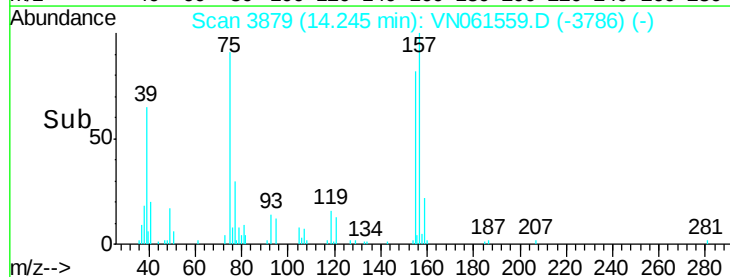
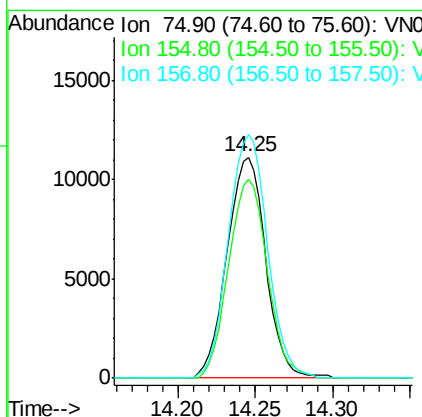
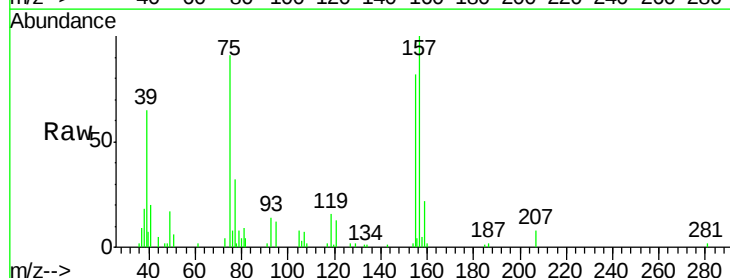
Manual Integrations
 APPROVED

MMDadoda
 6/1/2020 12:29:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.464 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	47.1	141.4
157	111.4	60.3	180.8





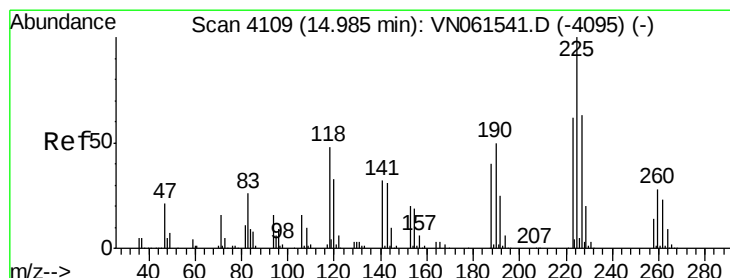
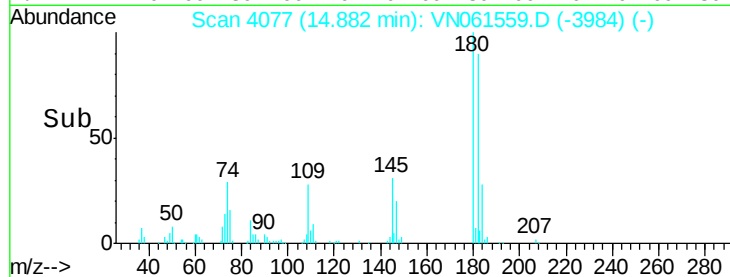
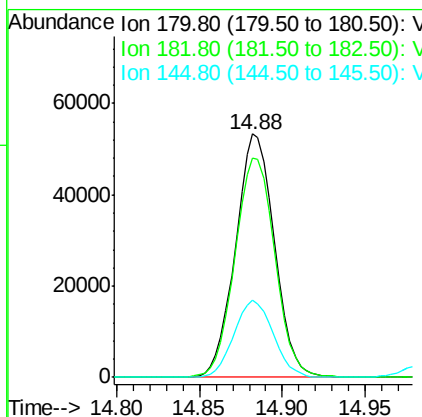
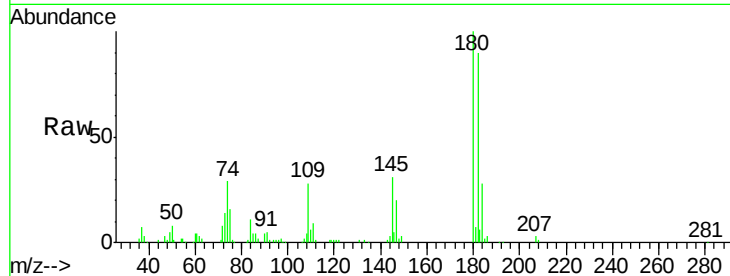
#93
 1,2,4-Trichlorobenzene
 Concen: 18.773 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86966		
182	92.9	47.8	143.3	
145	31.9	15.5	46.5	

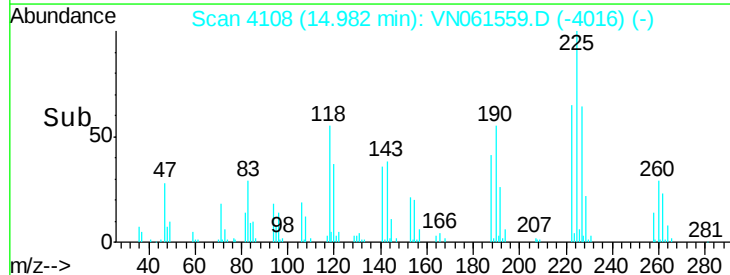
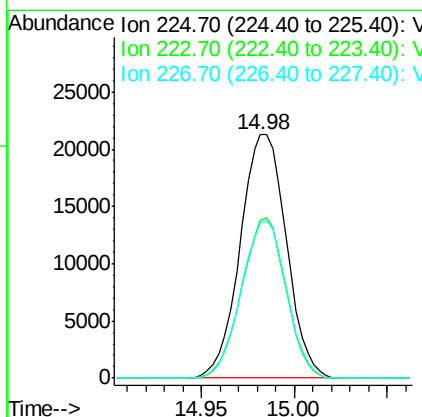
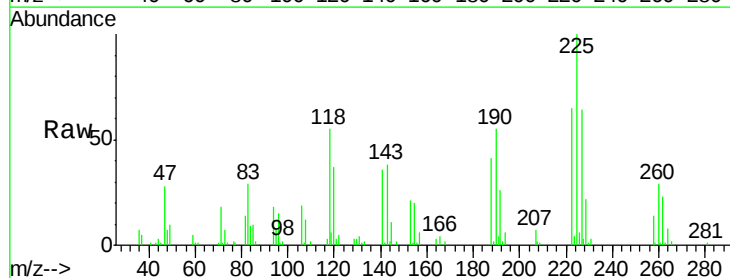
Manual Integrations
 APPROVED

MMDadoda
 6/1/2020 12:29:51 PM



#94
 Hexachlorobutadiene
 Concen: 18.542 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061559.D
 Acq: 29 May 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36634		
223	63.2	31.9	95.5	
227	63.4	31.9	95.9	





#95

Naphthalene

Concen: 18.715 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Instrument :

MSVOA_N

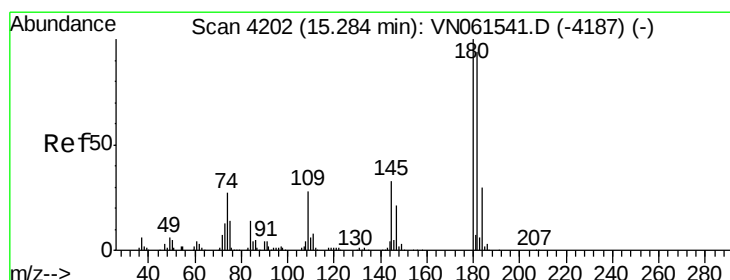
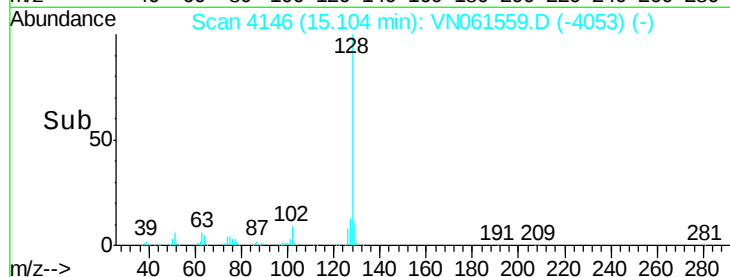
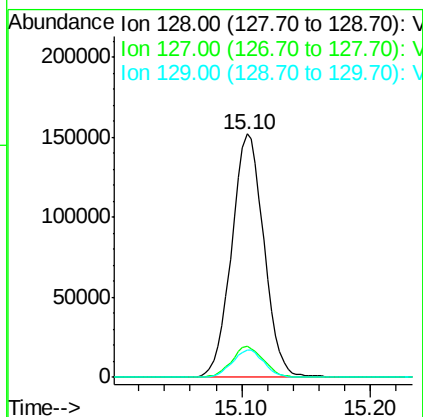
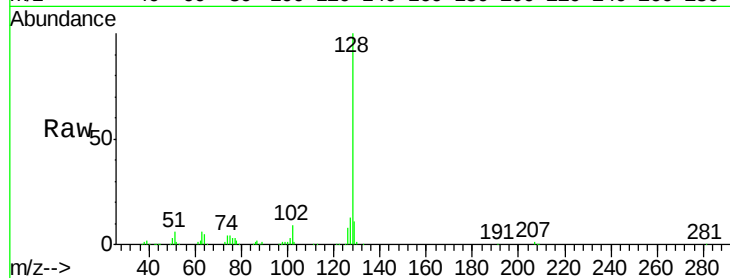
ClientSampleId :

VN0529WBSD01

Tot Ion:	128	Resp:	263883
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.562 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061559.D

Acq: 29 May 2020 12:05

Tgt Ion:	180	Resp:	84545
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.1	141.3
145	35.3	16.3	48.9

