

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061454.D
 Acq On : 19 May 2020 3:02
 Operator : JC/MD
 Sample : VN0518WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:31 PM

Quant Time: May 19 04:52:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	271695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	504438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	476775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213152	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	207295	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	7.54	113	141744	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	10.06	98	620538	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.37	95	230380	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	40797	18.059	ug/l	100
3) Chloromethane	2.03	50	64099	17.396	ug/l	97
4) Vinyl Chloride	2.16	62	94712	17.960	ug/l	96
5) Bromomethane	2.54	94	54362	17.817	ug/l	99
6) Chloroethane	2.67	64	61112	17.217	ug/l	96
7) Trichlorofluoromethane	2.98	101	144919	22.635	ug/l	100
8) Diethyl Ether	3.37	74	33777	18.113	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47765	17.941	ug/l	99
10) Methyl Iodide	3.91	142	57501	17.782	ug/l	100
11) Tert butyl alcohol	4.72	59	41280	88.352	ug/l #	90
12) 1,1-Dichloroethene	3.69	96	48751	17.505	ug/l	92
13) Acrolein	3.56	56	25619	62.390	ug/l	99
14) Allyl chloride	4.27	41	77338	17.064	ug/l	98
15) Acrylonitrile	4.92	53	118592	85.674	ug/l	99
16) Acetone	3.77	43	91316	80.258	ug/l	98
17) Carbon Disulfide	4.01	76	128211	19.504	ug/l	99
18) Methyl Acetate	4.27	43	48793	16.836	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	186871	17.682	ug/l	93
20) Methylene Chloride	4.50	84	58013	17.408	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	57411	17.878	ug/l	98
22) Diisopropyl ether	5.89	45	181260	17.797	ug/l	96
23) Vinyl Acetate	5.83	43	714591	88.232	ug/l	100
24) 1,1-Dichloroethane	5.79	63	107730	18.135	ug/l	99
25) 2-Butanone	6.78	43	153596	83.194	ug/l	98
26) 2,2-Dichloropropane	6.77	77	82546	14.576	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	69097	18.215	ug/l	96
28) Bromochloromethane	7.14	49	50366	19.974	ug/l	98
29) Tetrahydrofuran	7.16	42	102983	84.225	ug/l	99
30) Chloroform	7.32	83	117816	18.989	ug/l	100
31) Cyclohexane	7.61	56	96324	16.423	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	103283	18.217	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84743	17.966	ug/l	100
37) Ethyl Acetate	6.87	43	67587	15.800	ug/l	99
38) Carbon Tetrachloride	7.73	117	78063	17.974	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061454.D
 Acq On : 19 May 2020 3:02
 Operator : JC/MD
 Sample : VN0518WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0518WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:31 PM

Quant Time: May 19 04:52:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	88952	15.440	ug/l	98
40) Benzene	8.00	78	253831	17.857	ug/l	100
41) Methacrylonitrile	7.11	41	25532	14.132	ug/l #	81
42) 1,2-Dichloroethane	8.08	62	93114	18.182	ug/l	100
43) Isopropyl Acetate	8.12	43	124267	16.657	ug/l #	92
44) Trichloroethene	8.80	130	68221	18.317	ug/l	100
45) 1,2-Dichloropropane	9.08	63	64347	18.086	ug/l	99
46) Dibromomethane	9.17	93	45580	18.275	ug/l	99
47) Bromodichloromethane	9.37	83	95035	18.084	ug/l	100
48) Methyl methacrylate	9.16	41	56949	16.524	ug/l	98
49) 1,4-Dioxane	9.16	88	13587	350.317	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	349381	85.966	ug/l	100
52) Toluene	10.12	92	164713	18.049	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	100241	17.404	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	106952	17.468	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	63924	18.528	ug/l	99
56) Ethyl methacrylate	10.40	69	94951	17.603	ug/l	99
57) 1,3-Dichloropropane	10.68	76	110305	18.500	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	208848	88.211	ug/l	98
59) 2-Hexanone	10.72	43	243759	82.900	ug/l	100
60) Dibromochloromethane	10.87	129	69129	18.114	ug/l	98
61) 1,2-Dibromoethane	10.98	107	65792	18.137	ug/l	100
64) Tetrachloroethene	10.60	164	63440	17.199	ug/l	99
65) Chlorobenzene	11.40	112	175088	18.008	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	61013	17.505	ug/l	97
67) Ethyl Benzene	11.48	91	323751	18.242	ug/l	99
68) m/p-Xylenes	11.59	106	241512	35.852	ug/l	100
69) o-Xylene	11.92	106	116512	17.873	ug/l	98
70) Styrene	11.94	104	194979	18.062	ug/l	100
71) Bromoform	12.10	173	41393	16.675	ug/l #	99
73) Isopropylbenzene	12.22	105	303805	17.754	ug/l	100
74) N-amyl acetate	12.04	43	105723	16.879	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	83311	17.696	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	76015m	16.620	ug/l	
77) Bromobenzene	12.50	156	68801	18.527	ug/l	98
78) n-propylbenzene	12.56	91	340803	17.480	ug/l	100
79) 2-Chlorotoluene	12.65	91	204625	17.756	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	245699	17.536	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	25378	14.719	ug/l	95
82) 4-Chlorotoluene	12.75	91	216174	18.116	ug/l	99
83) tert-Butylbenzene	12.97	119	199040	16.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	244483	17.436	ug/l	99
85) sec-Butylbenzene	13.15	105	258660	15.939	ug/l	100
86) p-Isopropyltoluene	13.26	119	234328	16.261	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	122918	18.086	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	125561	18.447	ug/l	99
89) n-Butylbenzene	13.59	91	203355	15.533	ug/l	100
90) Hexachloroethane	13.85	117	32111	16.442	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	119995	18.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16454	17.302	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
Data File : VN061454.D
Acq On : 19 May 2020 3:02
Operator : JC/MD
Sample : VN0518WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM

Quant Time: May 19 04:52:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	61626	17.433	ug/l	98
94) Hexachlorobutadiene	14.99	225	21993	14.002	ug/l	100
95) Naphthalene	15.10	128	208403	18.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	61226	17.398	ug/l	96

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

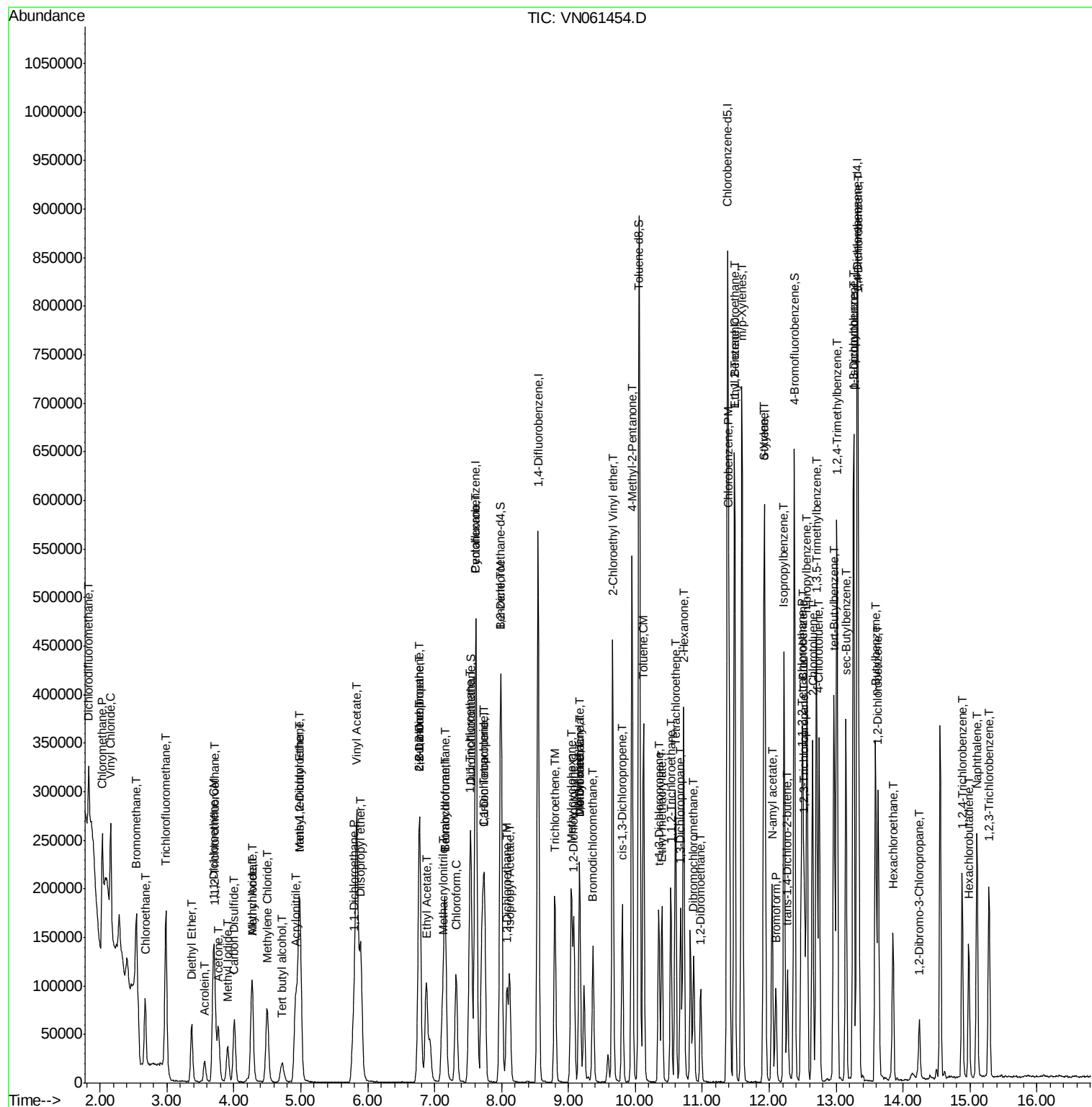
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051820\
Data File : VN061454.D
Acq On : 19 May 2020 3:02
Operator : JC/MD
Sample : VN0518WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

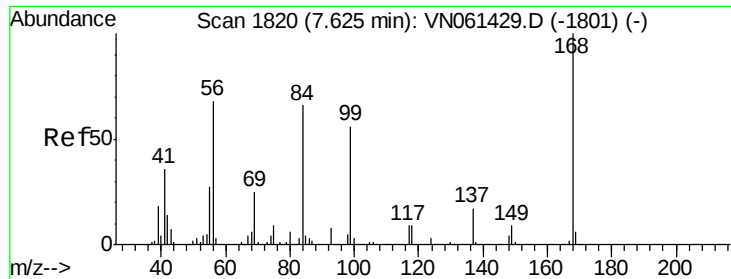
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM

Quant Time: May 19 04:52:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion:168 Resp: 271695

Ion Ratio Lower Upper

168 100

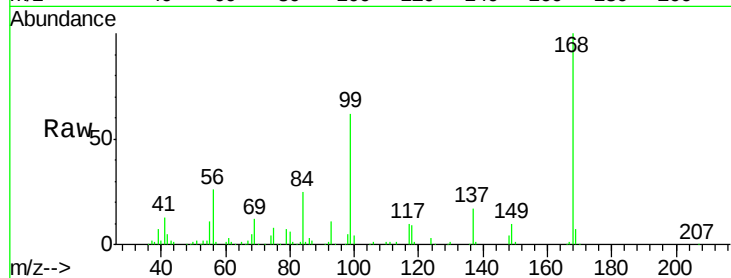
99 62.2 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

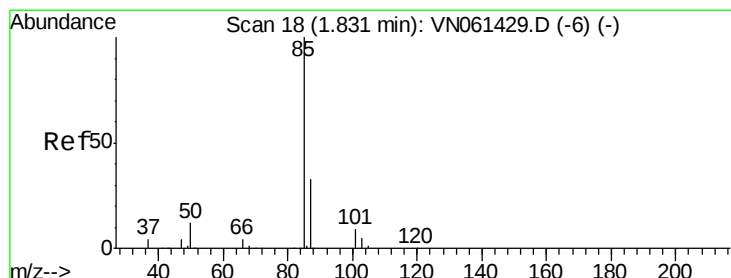
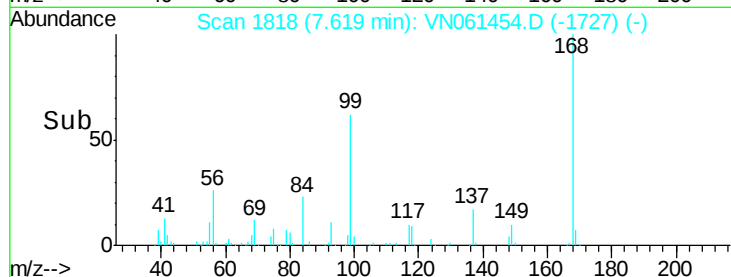
7.62

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.059 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061454.D

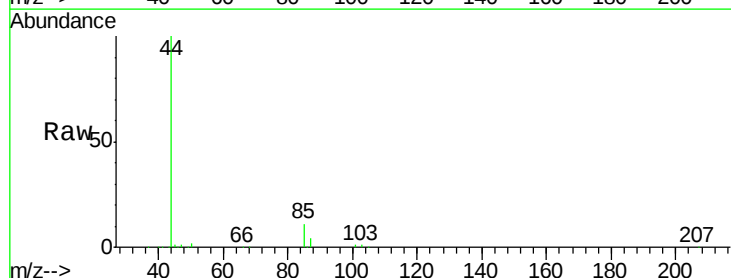
Acq: 19 May 2020 3:02

Tgt Ion: 85 Resp: 40797

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

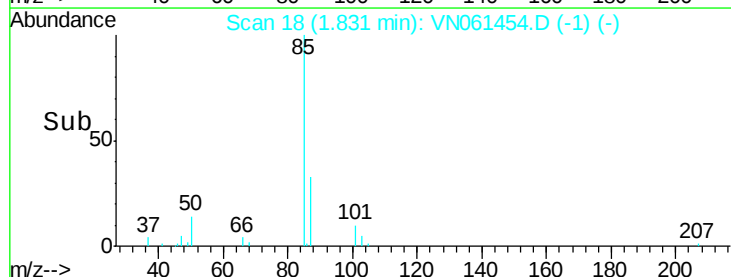
30000

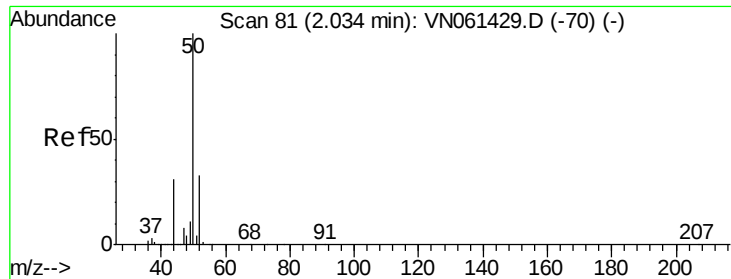
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.396 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 50 Resp: 64099

Ion Ratio Lower Upper

50 100

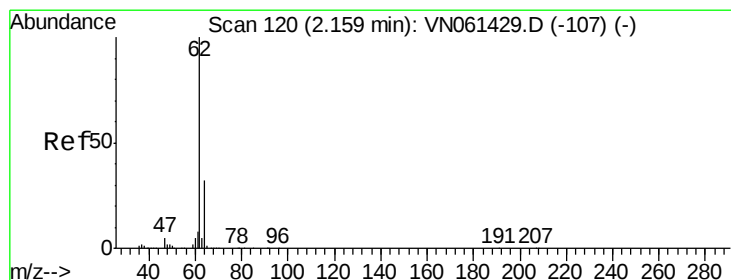
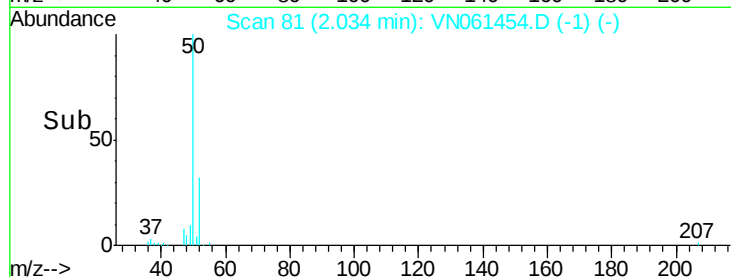
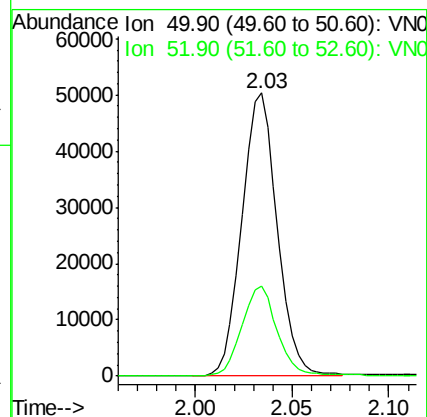
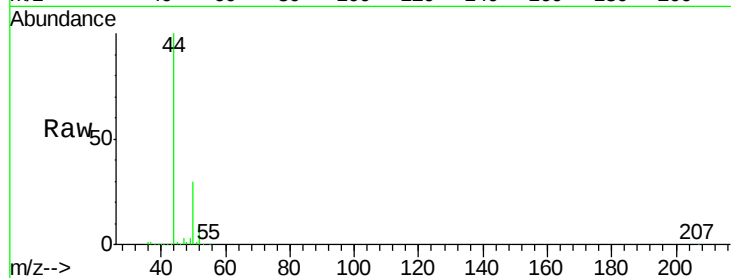
52 31.6 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:31 PM



#4

Vinyl Chloride

Concen: 17.960 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061454.D

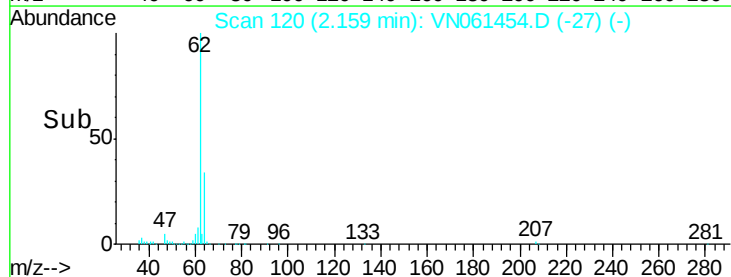
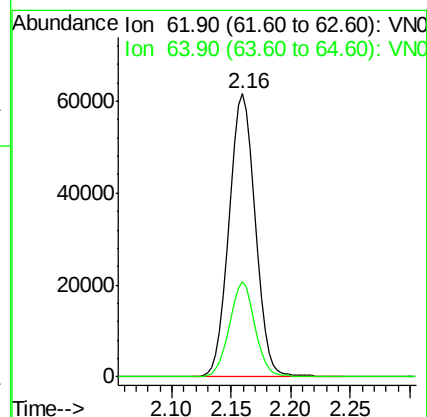
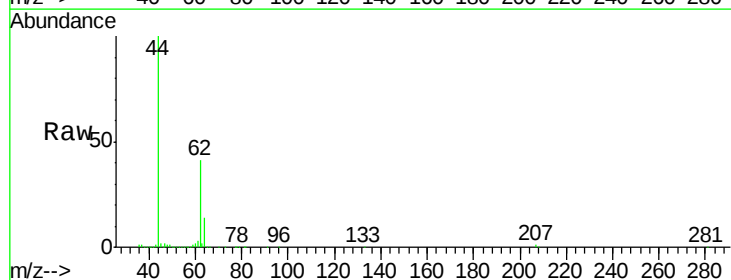
Acq: 19 May 2020 3:02

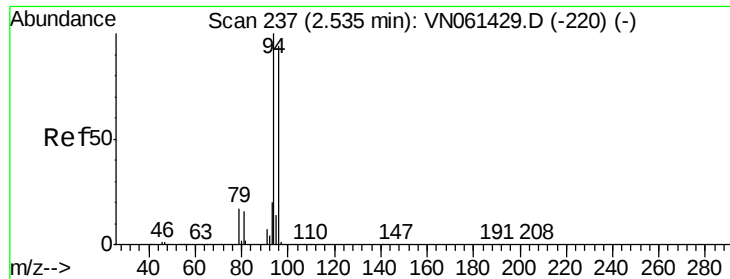
Tgt Ion: 62 Resp: 94712

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 17.817 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 94 Resp: 54362

Ion Ratio Lower Upper

94 100

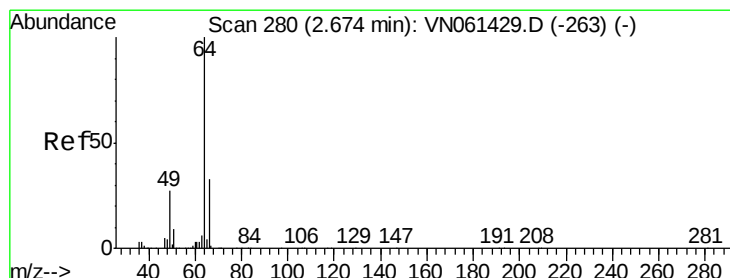
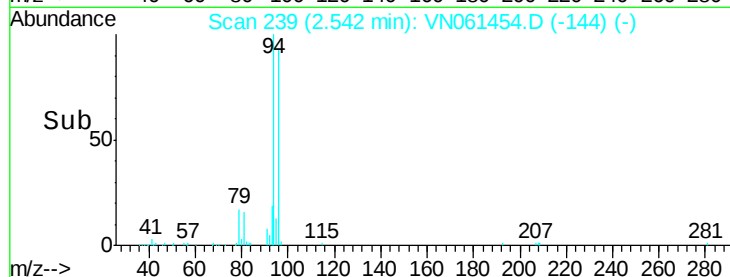
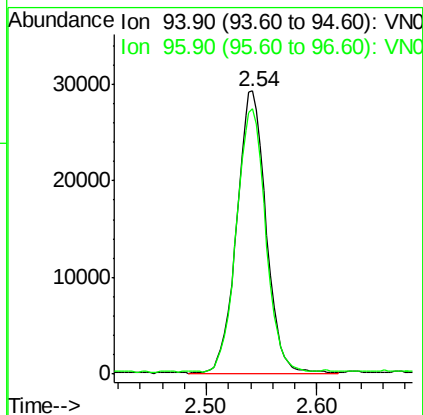
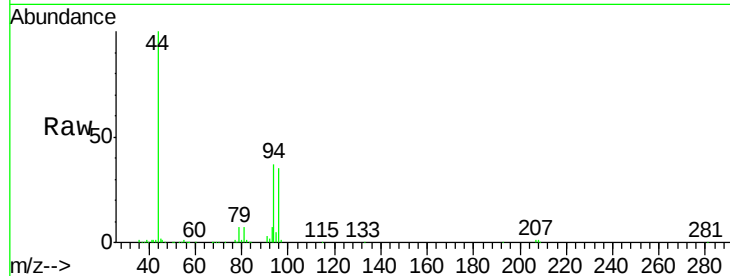
96 93.0 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:31 PM



#6

Chloroethane

Concen: 17.217 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061454.D

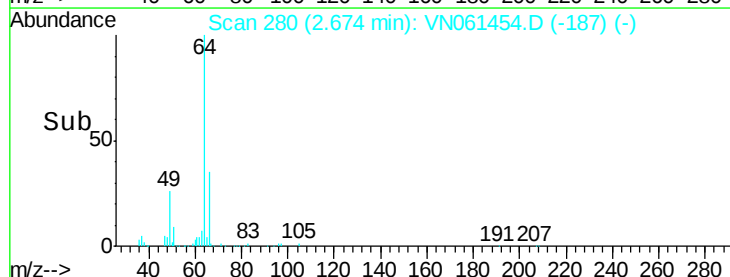
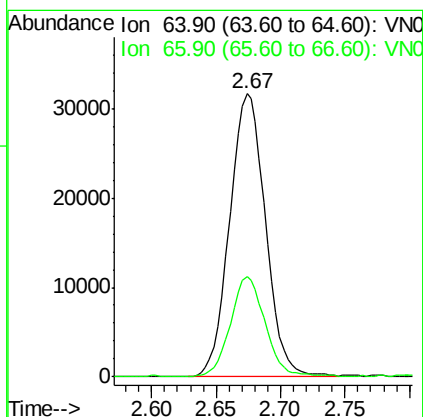
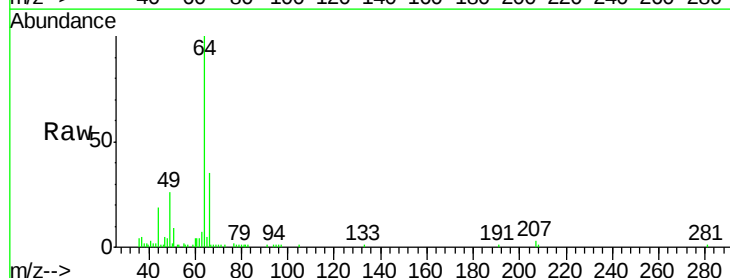
Acq: 19 May 2020 3:02

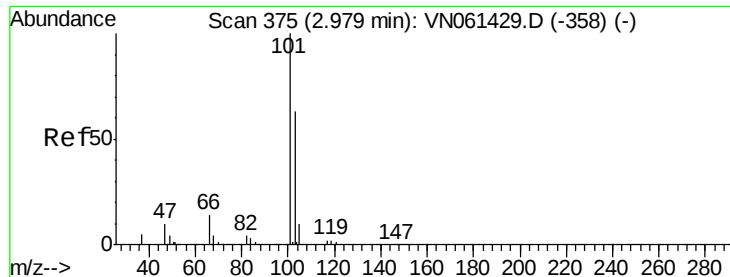
Tgt Ion: 64 Resp: 61112

Ion Ratio Lower Upper

64 100

66 35.3 26.3 39.5





#7

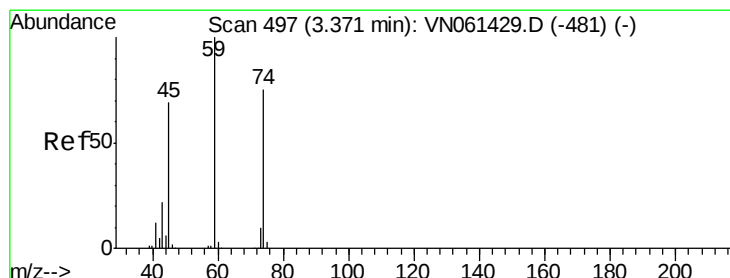
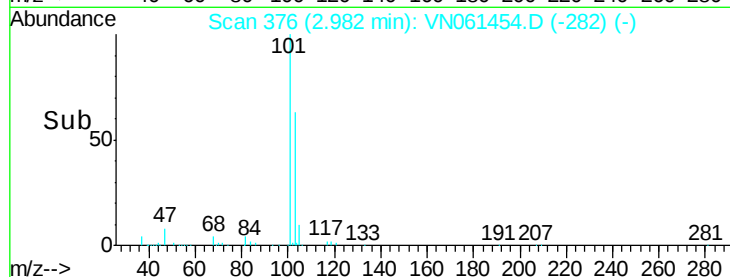
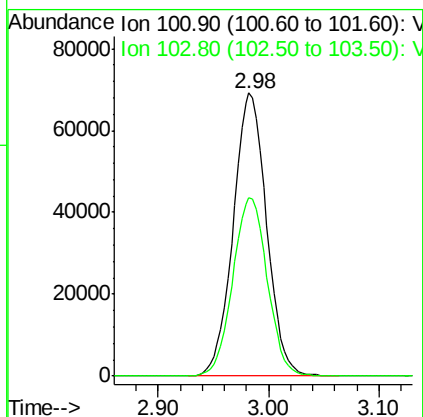
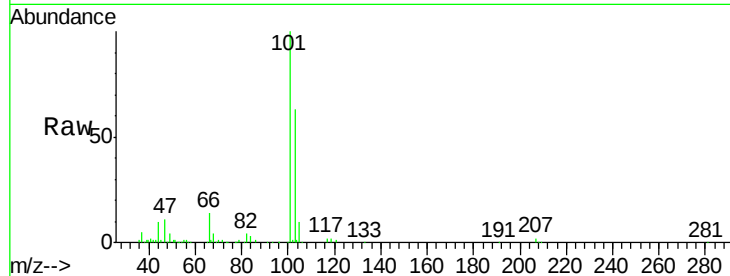
Trichlorofluoromethane
 Concen: 22.635 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	144919		
103	62.9	50.2	75.4	

Manual Integrations
 APPROVED

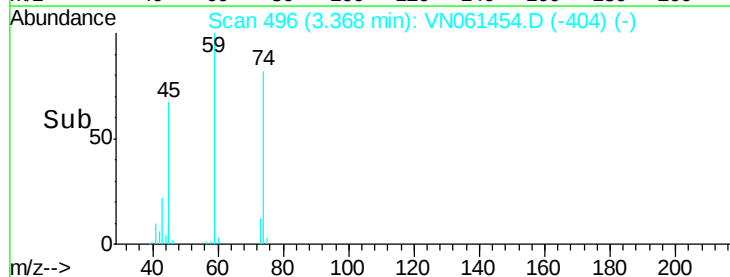
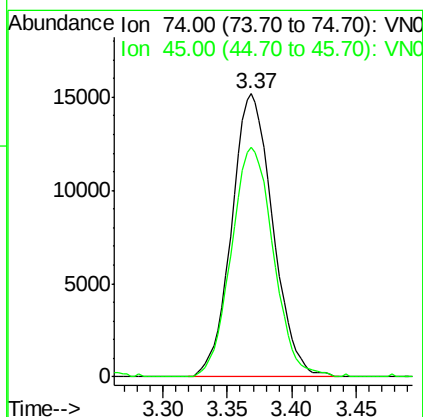
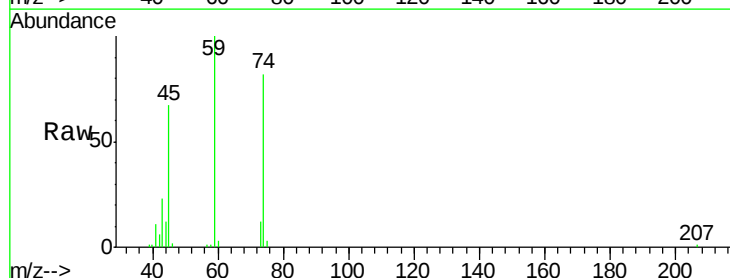
MMDadoda
 5/19/2020 4:24:31 PM

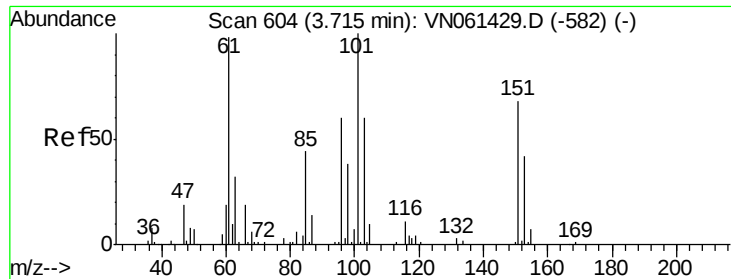


#8

Diethyl Ether
 Concen: 18.113 ug/l
 RT: 3.37 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	33777		
45	82.7	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.941 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

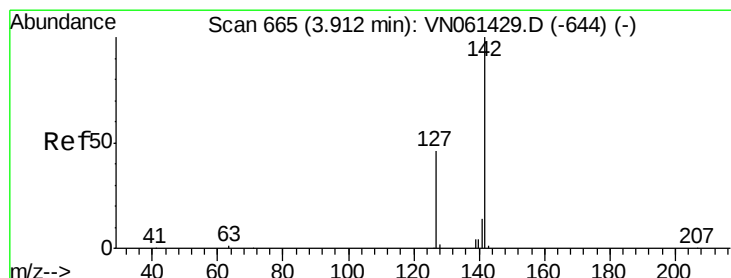
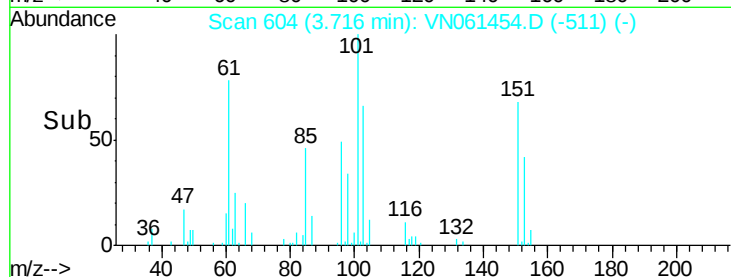
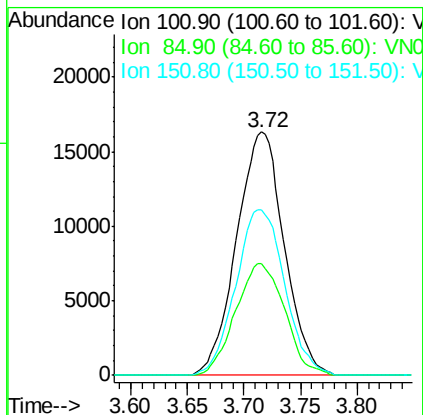
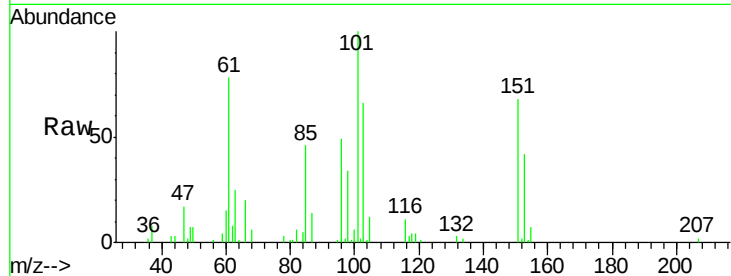
ClientSampleId :

VN0518WBSD02

Tot Ion:	101	Resp:	47765
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.6	55.0
151	70.0	56.3	84.5

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#10

Methyl Iodide

Concen: 17.782 ug/l

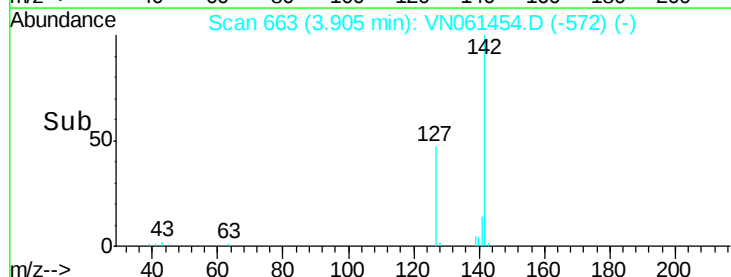
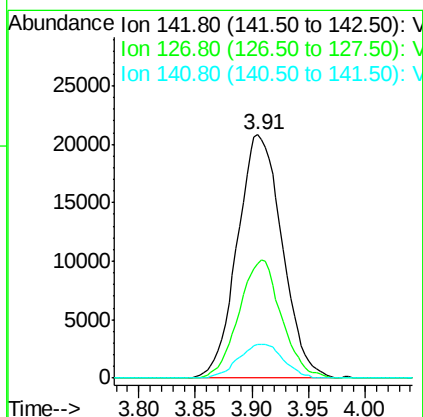
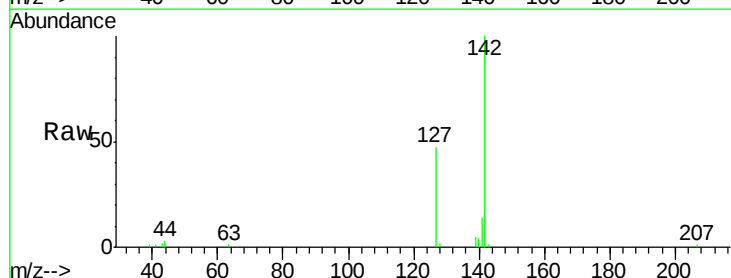
RT: 3.91 min Scan# 663

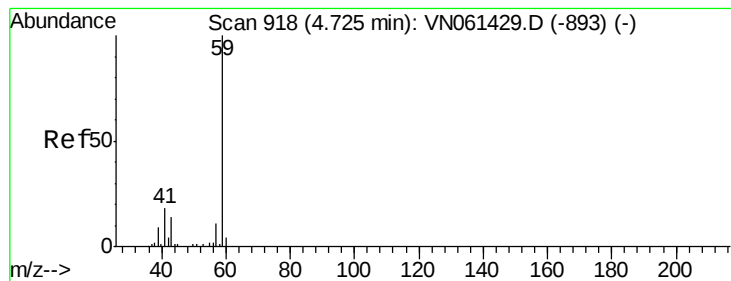
Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion:	142	Resp:	57501
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.7	55.1
141	13.9	11.5	17.3





#11

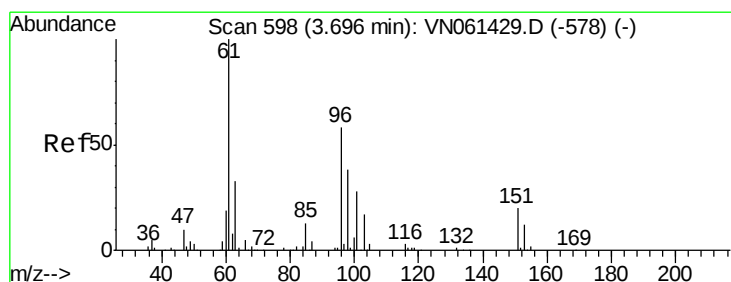
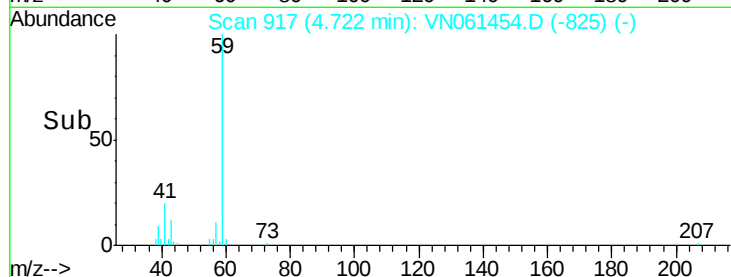
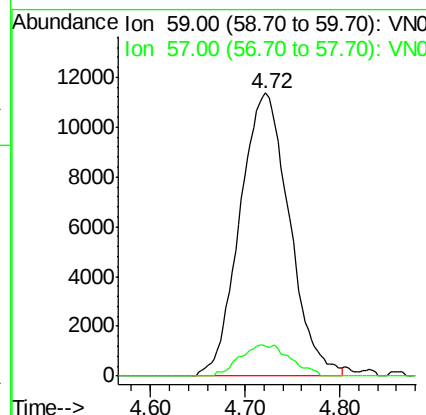
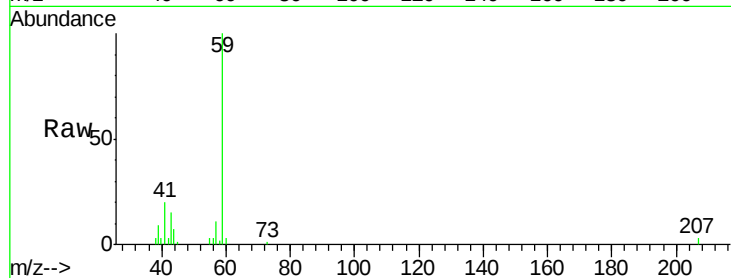
Tert butyl alcohol
Concen: 88.352 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	8.2	12.2#

Manual Integrations
APPROVED

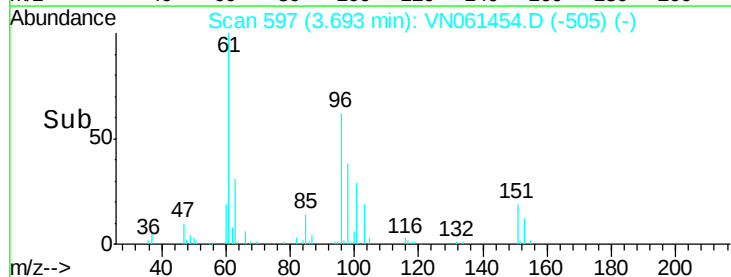
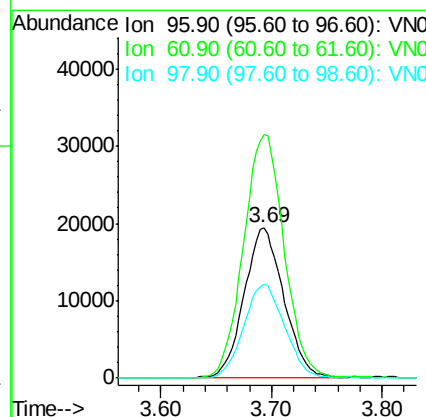
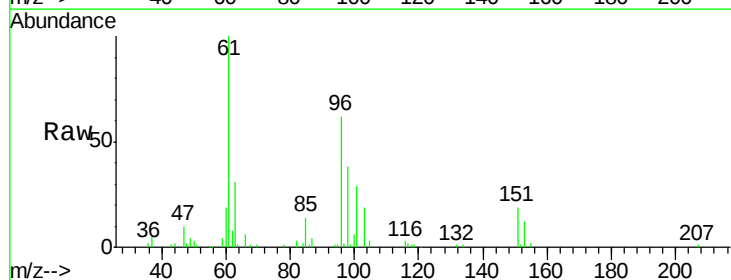
MMDadoda
5/19/2020 4:24:31 PM

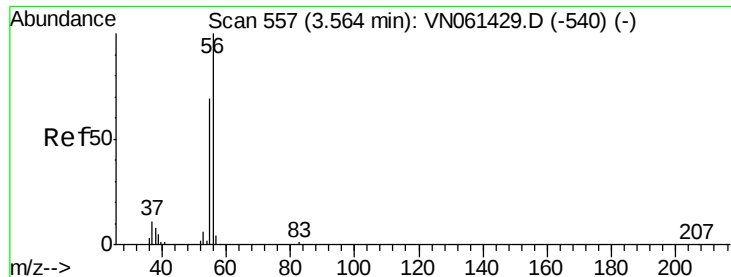


#12

1,1-Dichloroethene
Concen: 17.505 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	138.7	208.1
98	62.2	53.0	79.6





#13

Acrolein

Concen: 62.390 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 56 Resp: 25619

Ion Ratio Lower Upper

56 100

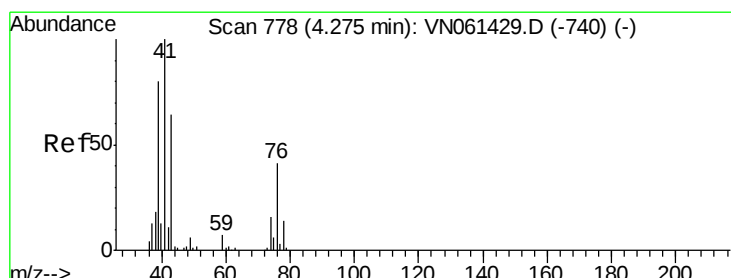
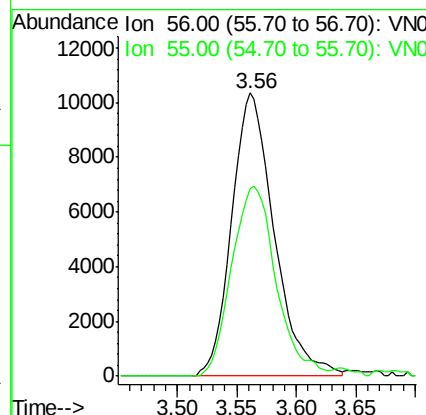
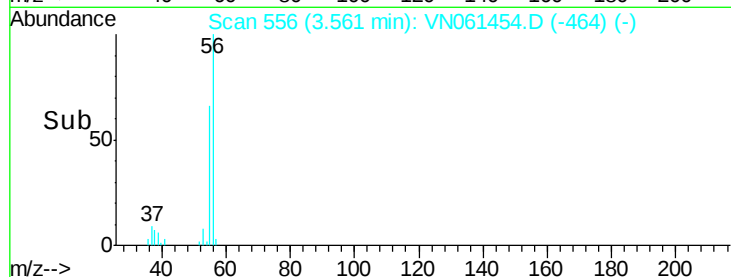
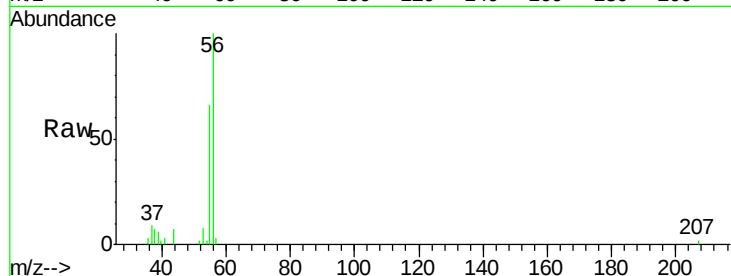
55 69.7 54.8 82.2

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:31 PM



#14

Allyl chloride

Concen: 17.064 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

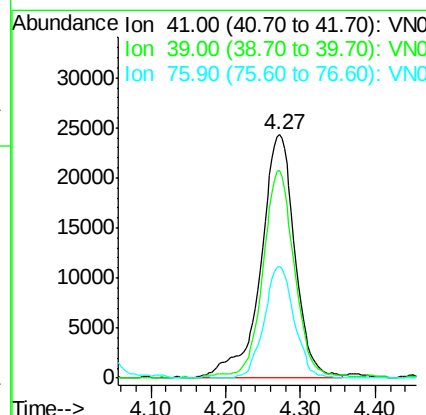
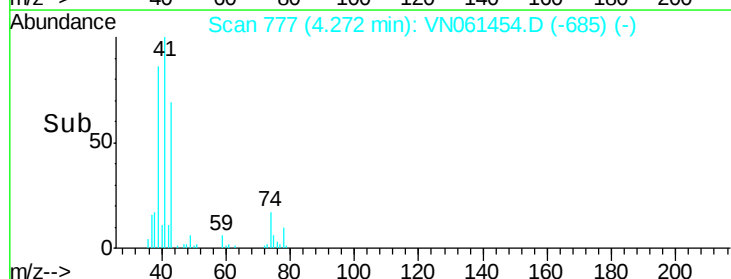
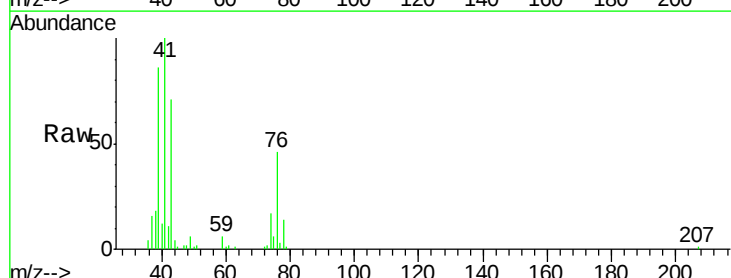
Tgt Ion: 41 Resp: 77338

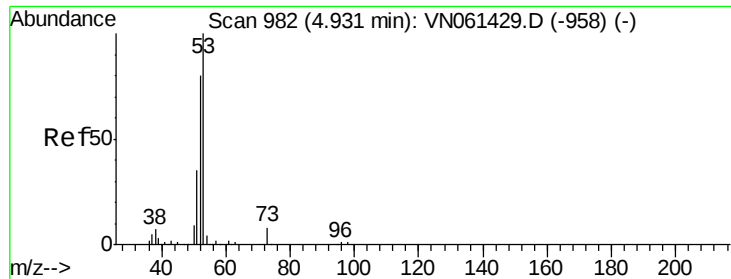
Ion Ratio Lower Upper

41 100

39 77.1 61.2 91.8

76 40.4 29.9 44.9





#15

Acrylonitrile

Concen: 85.674 ug/l

RT: 4.92 min Scan# 979

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

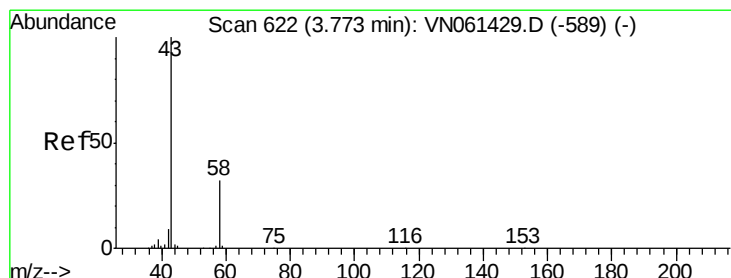
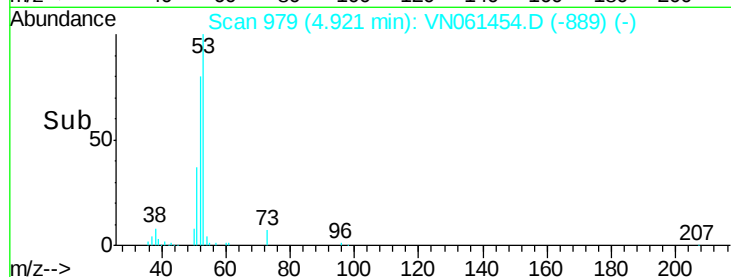
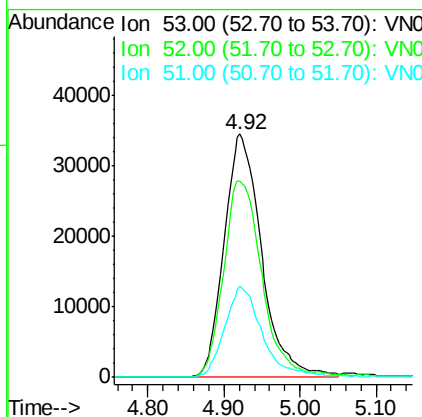
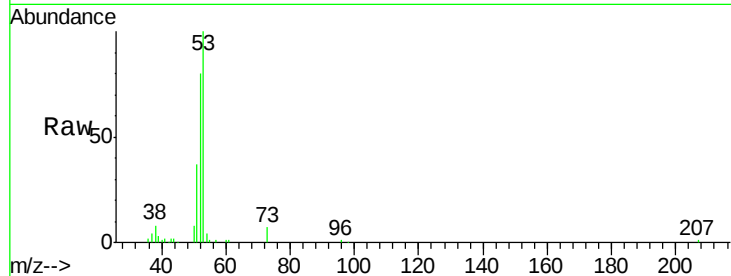
ClientSampleId :

VN0518WBSD02

Tot Ion:	53	Resp:	118592
Ion Ratio		Lower	Upper
53	100		
52	81.6	64.7	97.1
51	37.3	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#16

Acetone

Concen: 80.258 ug/l

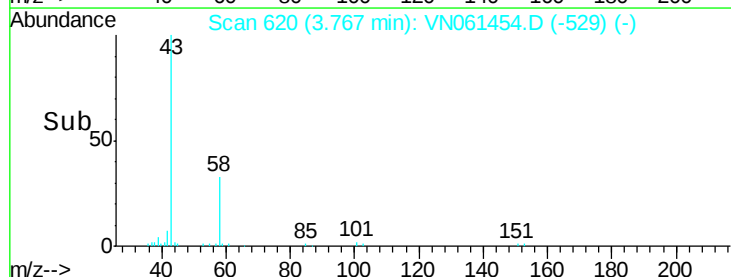
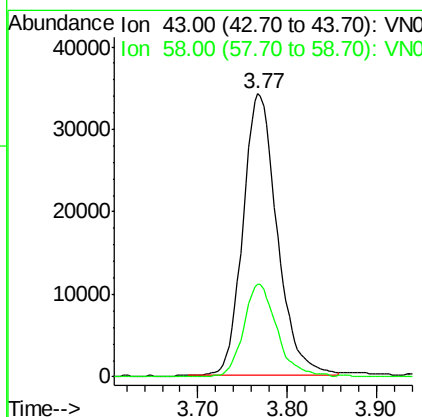
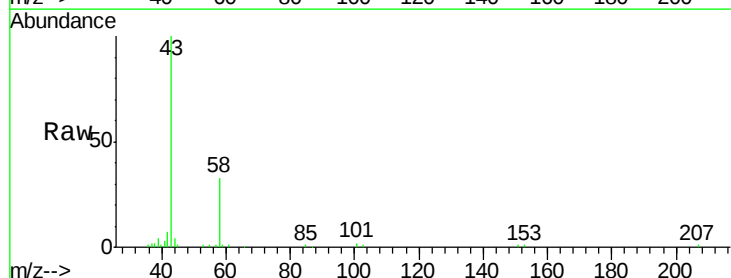
RT: 3.77 min Scan# 620

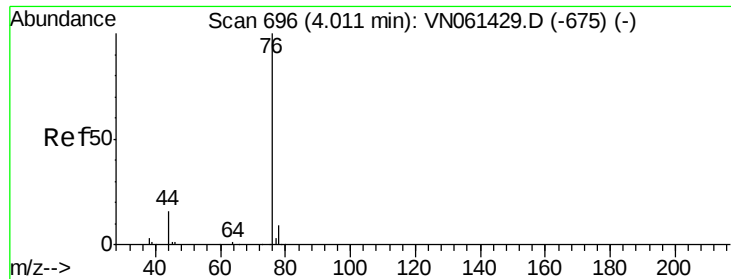
Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion:	43	Resp:	91316
Ion Ratio		Lower	Upper
43	100		
58	33.0	25.6	38.4





#17

Carbon Disulfide

Concen: 19.504 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 76 Resp: 128211

Ion Ratio Lower Upper

76 100

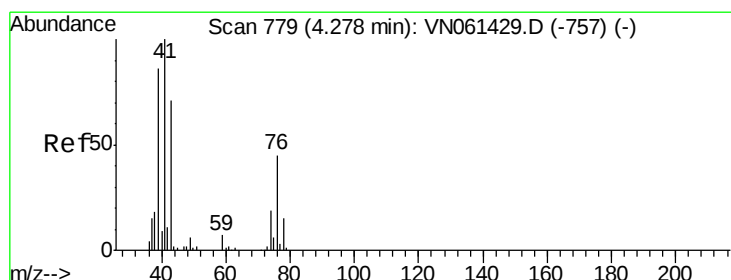
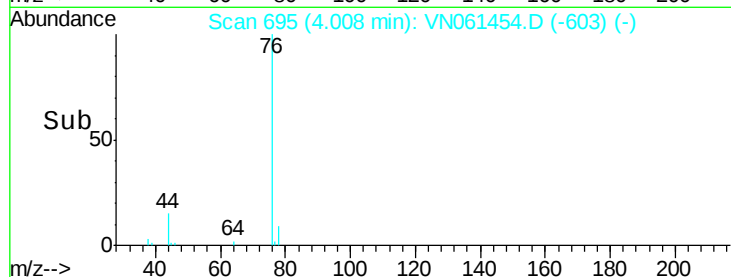
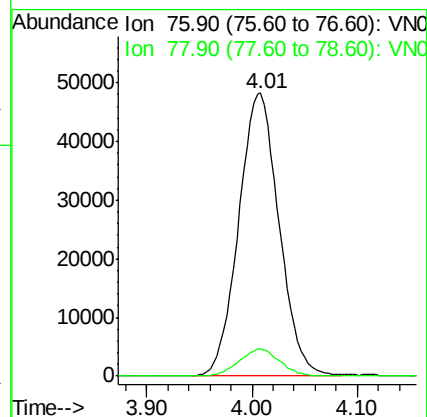
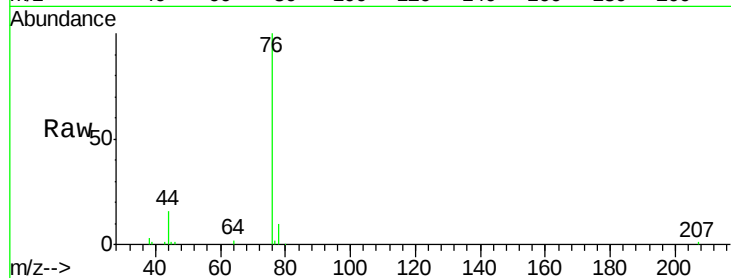
78 9.7 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:31 PM



#18

Methyl Acetate

Concen: 16.836 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061454.D

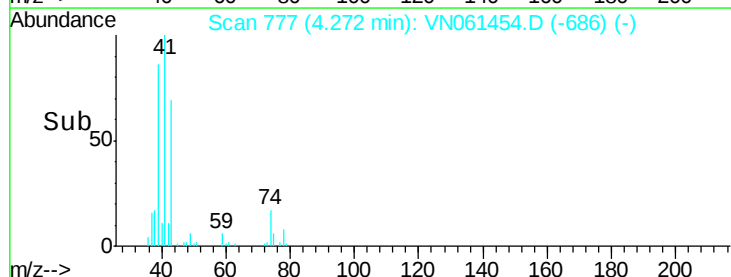
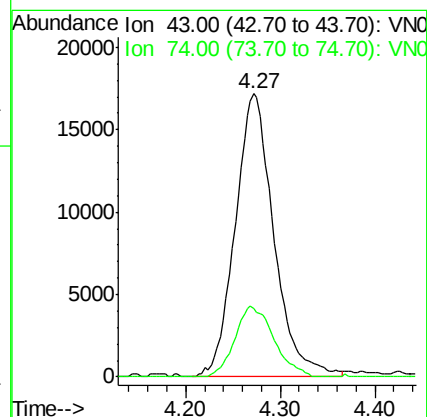
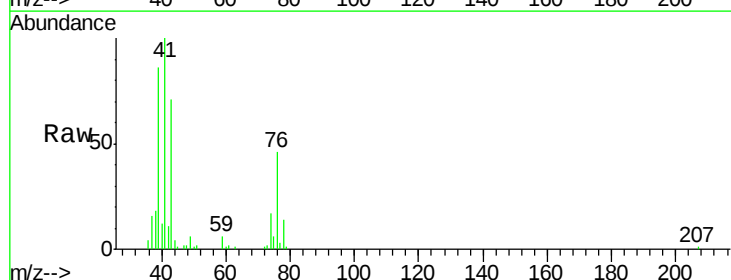
Acq: 19 May 2020 3:02

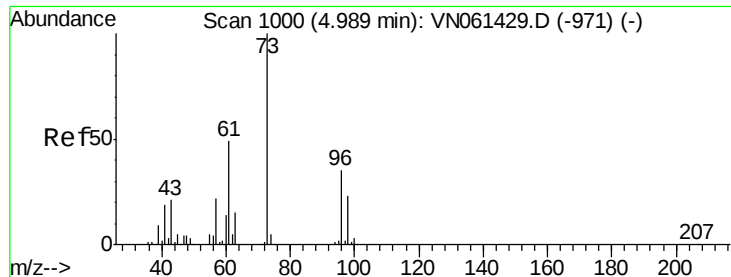
Tgt Ion: 43 Resp: 48793

Ion Ratio Lower Upper

43 100

74 25.2 20.8 31.2





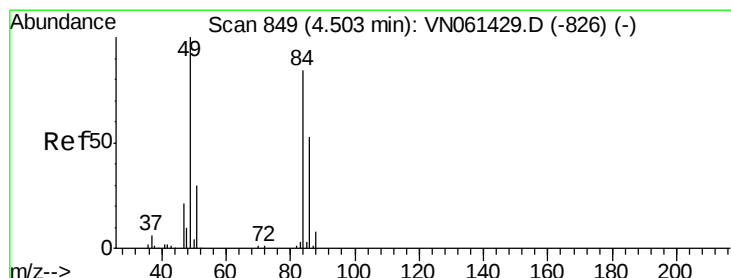
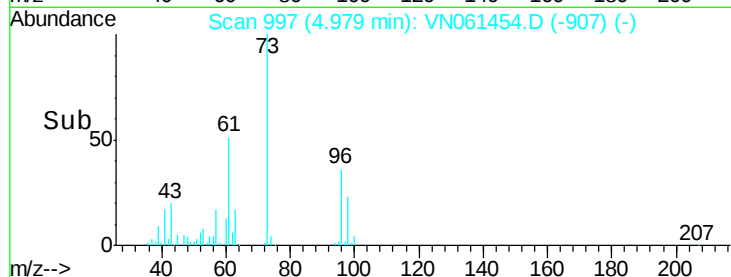
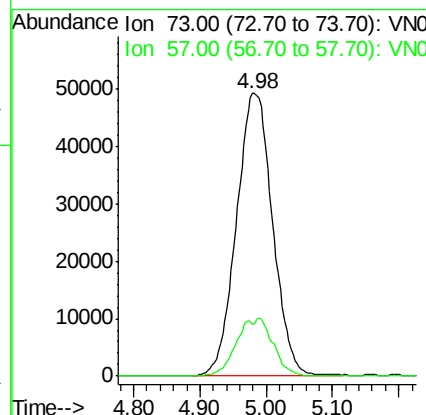
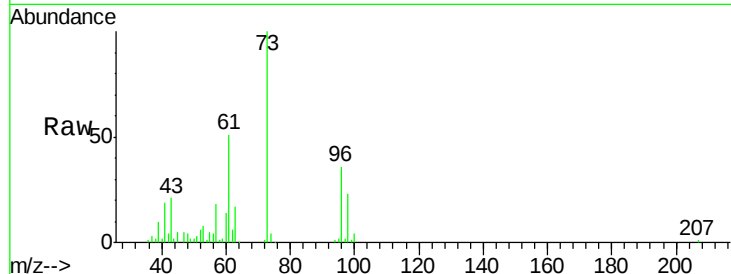
#19
Methvl tert-butvl Ether
Concen: 17.682 ug/l
RT: 4.98 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion: 73 Resp: 186871
Ion Ratio Lower Upper
73 100
57 18.5 17.4 26.0

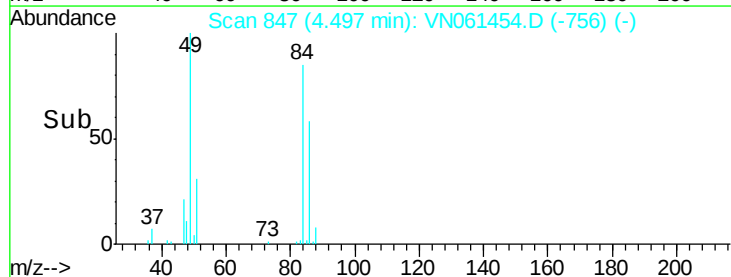
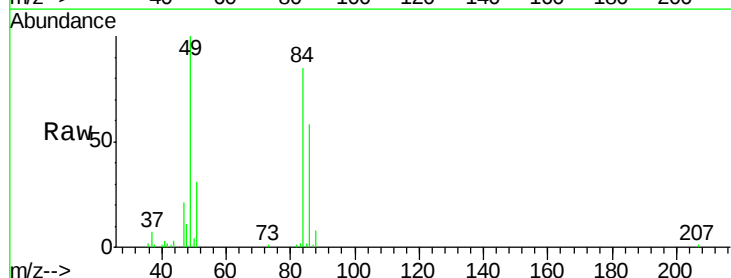
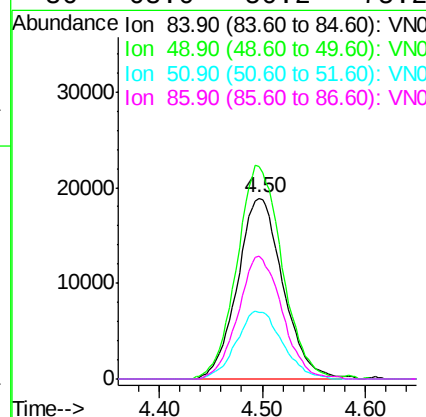
Manual Integrations
APPROVED

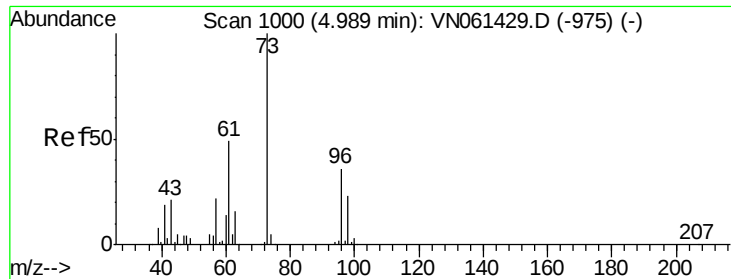
MMDadoda
5/19/2020 4:24:31 PM



#20
Methylene Chloride
Concen: 17.408 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 84 Resp: 58013
Ion Ratio Lower Upper
84 100
49 117.6 95.3 142.9
51 36.8 29.0 43.6
86 68.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 17.878 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

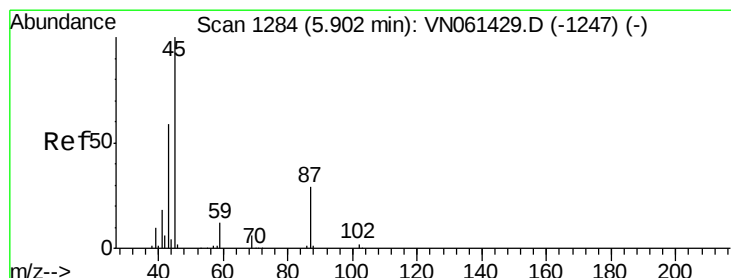
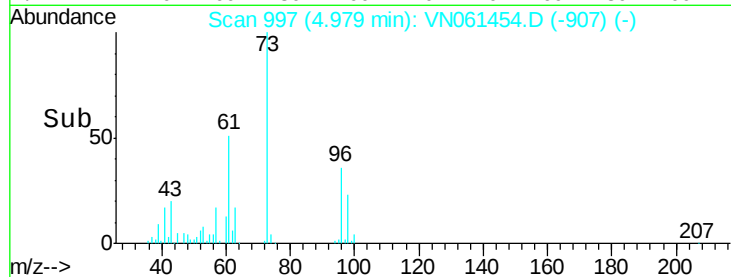
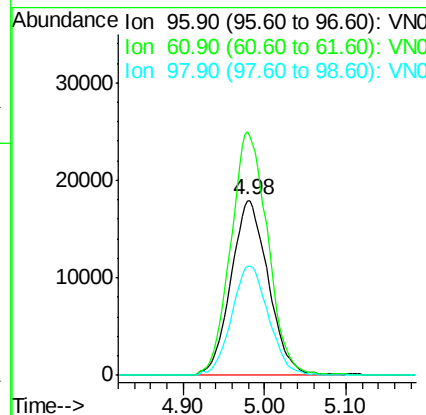
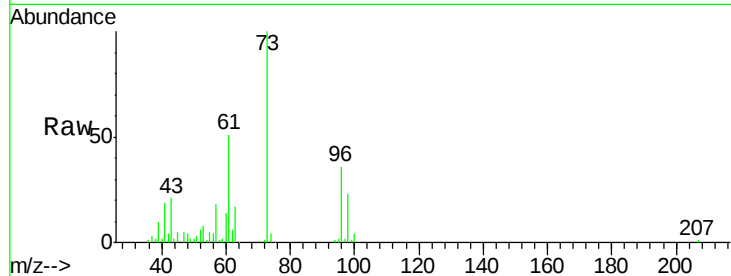
ClientSampleId :

VN0518WBSD02

Tot Ion:	96	Resp:	57411
Ion	Ratio	Lower	Upper
96	100		
61	139.5	109.8	164.6
98	62.8	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#22

Diisopropyl ether

Concen: 17.797 ug/l

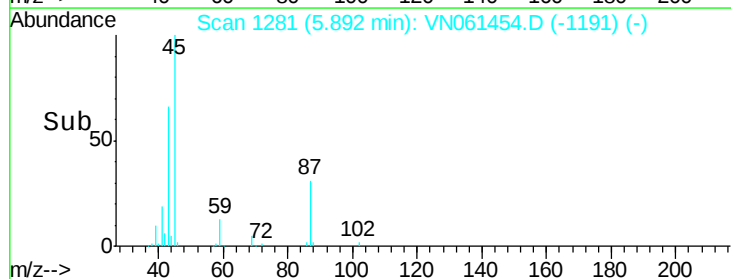
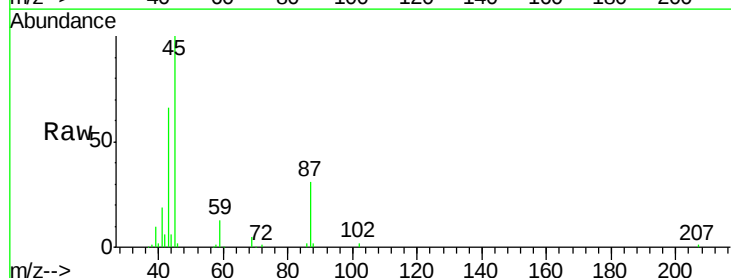
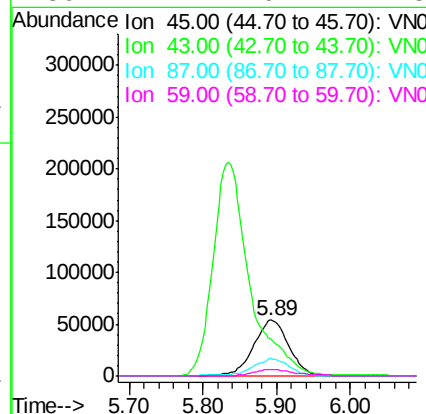
RT: 5.89 min Scan# 1281

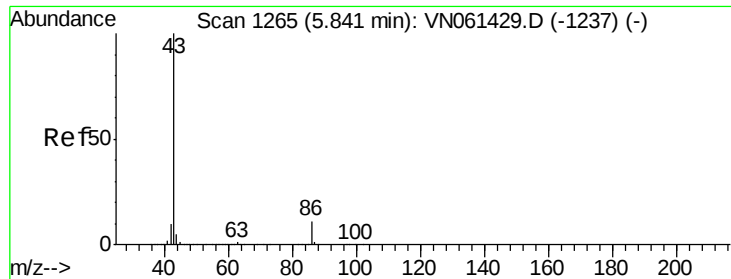
Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion:	45	Resp:	181260
Ion	Ratio	Lower	Upper
45	100		
43	63.5	47.9	71.9
87	31.3	24.0	36.0
59	12.2	9.7	14.5





#23

Vinyl Acetate

Concen: 88.232 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 43 Resp: 714591

Ion Ratio Lower Upper

43 100

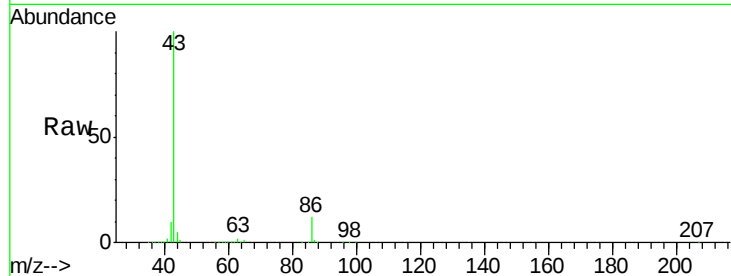
86 11.6 9.1 13.7

Manual Integrations

APPROVED

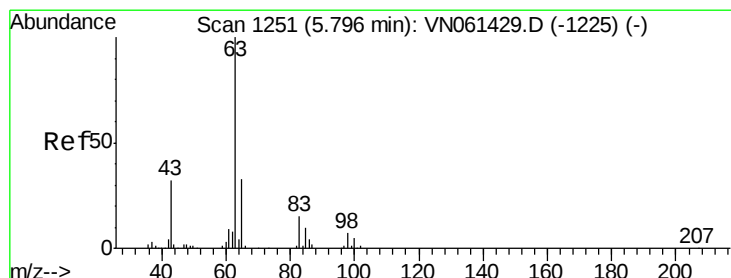
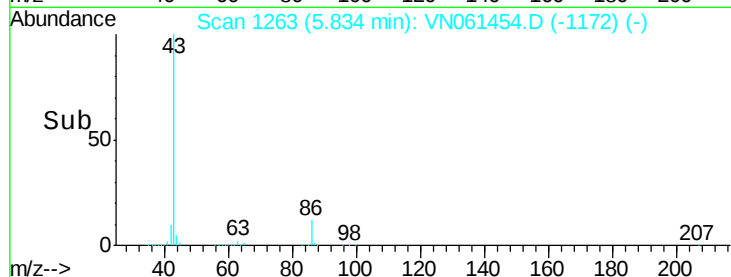
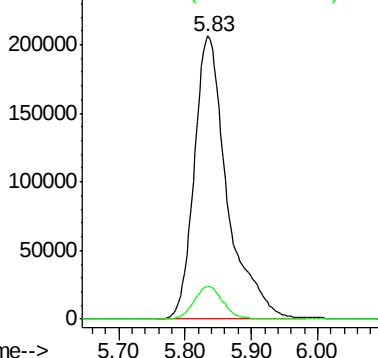
MMDadoda

5/19/2020 4:24:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.135 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

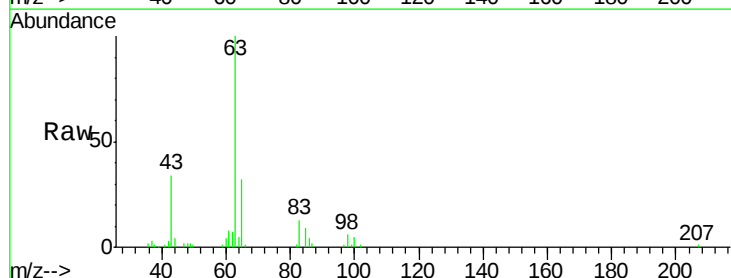
Tgt Ion: 63 Resp: 107730

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

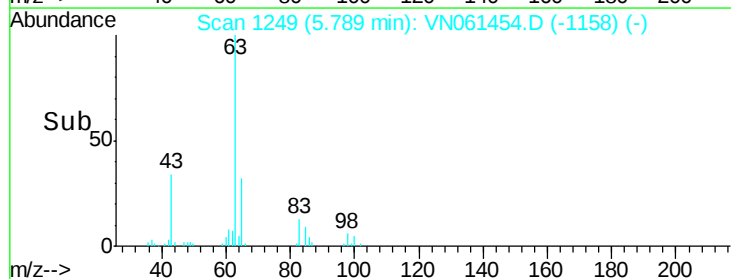
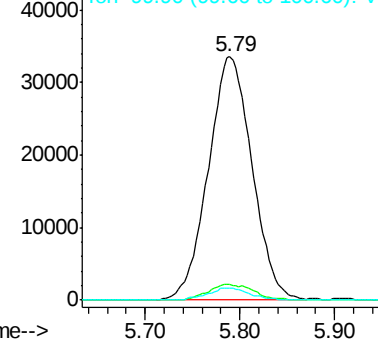
100 5.0 2.3 6.9

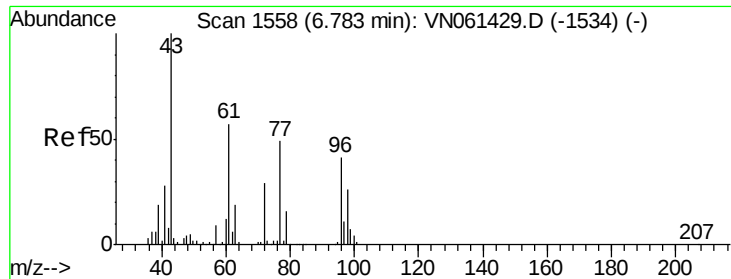


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





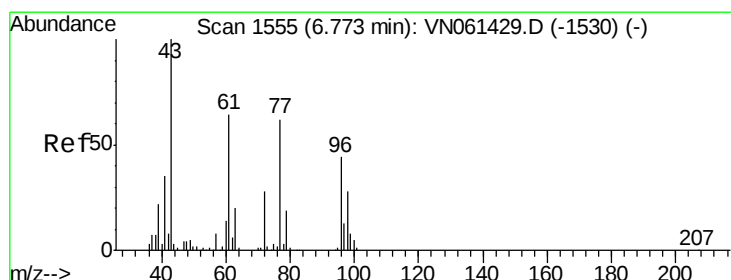
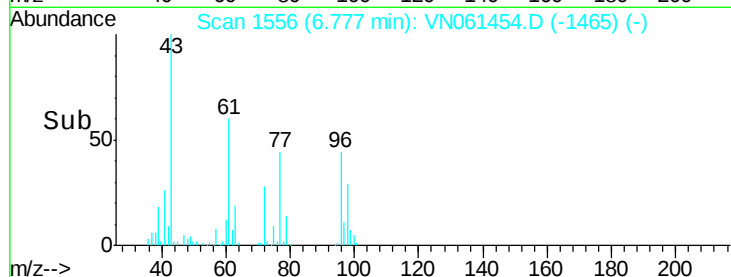
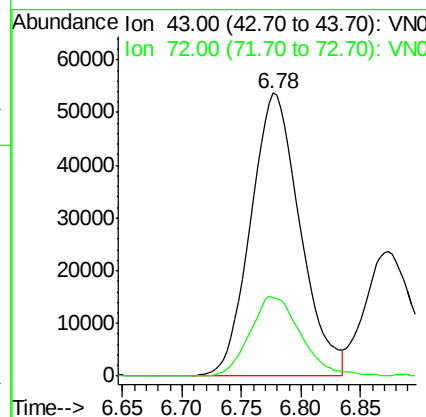
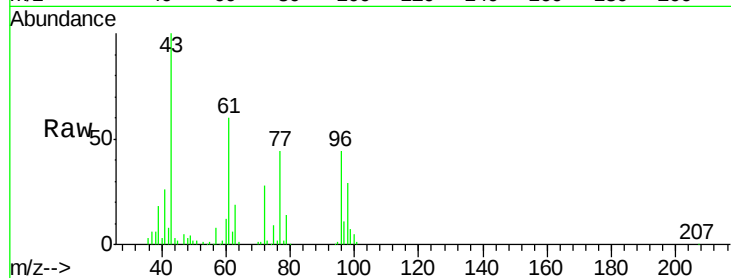
#25
2-Butanone
Concen: 83.194 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion: 43 Resp: 153596
Ion Ratio Lower Upper
43 100
72 28.0 23.0 34.6

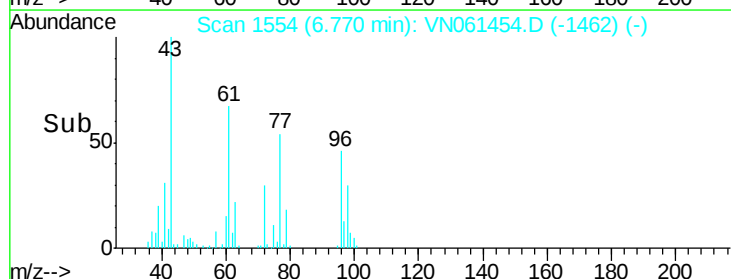
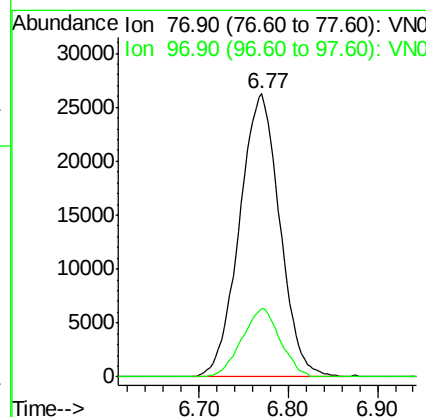
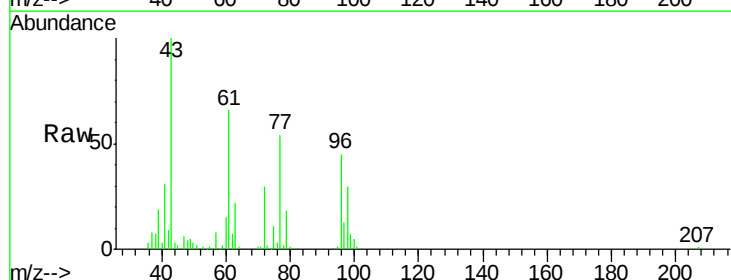
Manual Integrations
APPROVED

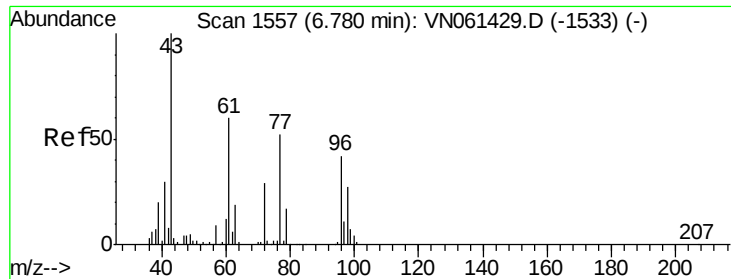
MMDadoda
5/19/2020 4:24:31 PM



#26
2,2-Dichloropropane
Concen: 14.576 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 77 Resp: 82546
Ion Ratio Lower Upper
77 100
97 22.9 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 18.215 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061454.D

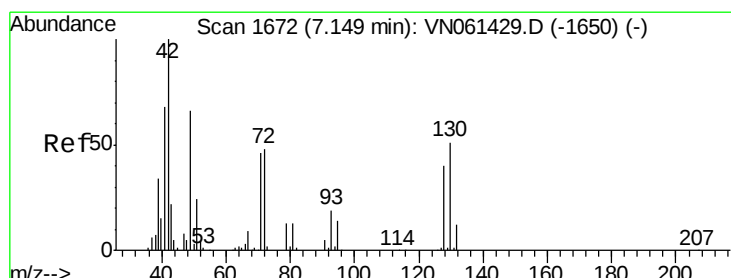
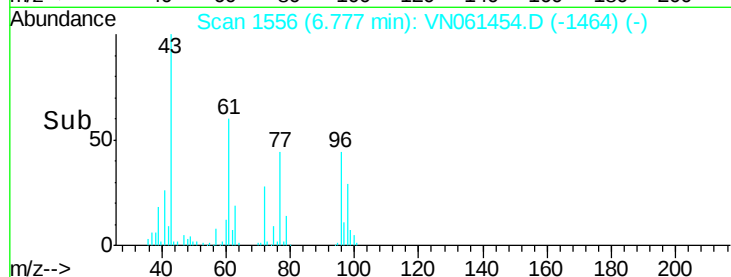
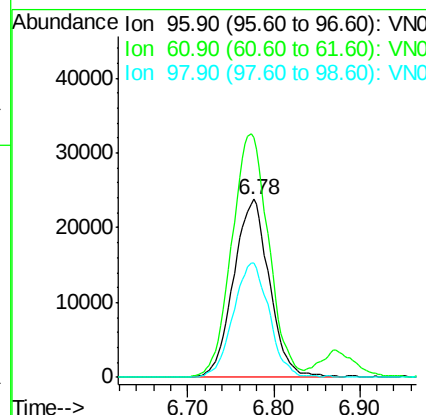
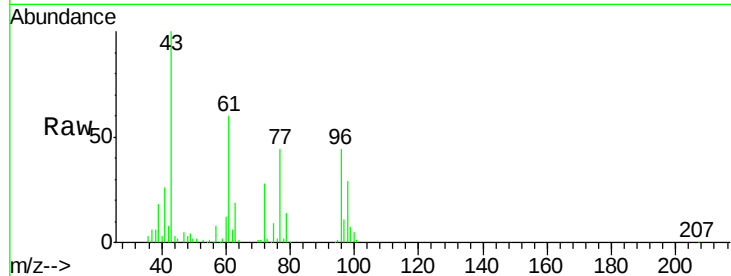
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69097		
61	140.3		0.0	294.2
98	63.9		0.0	128.2

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#28

Bromochloromethane

Concen: 19.974 ug/l

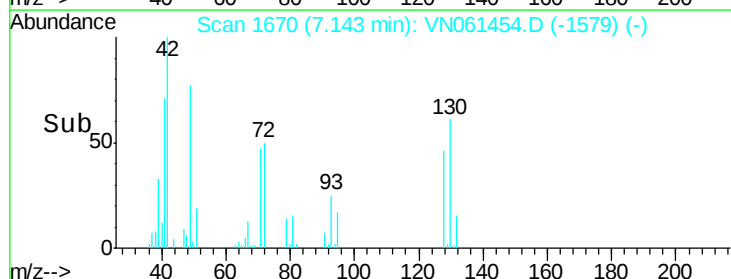
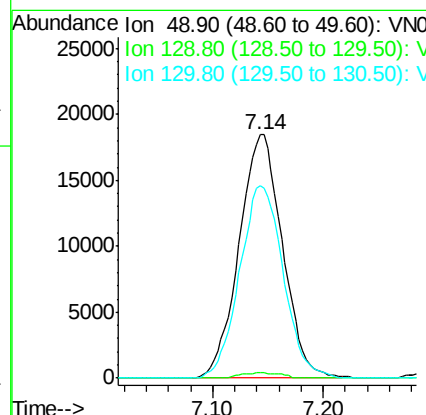
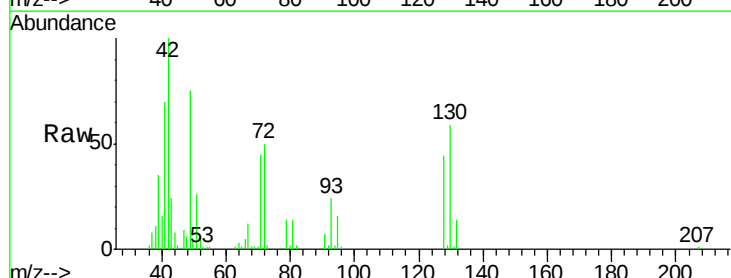
RT: 7.14 min Scan# 1670

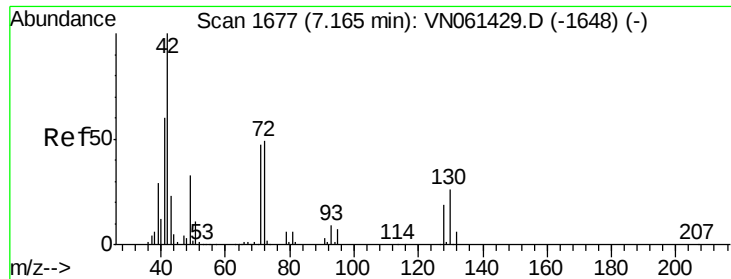
Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	50366		
129	2.0		0.0	4.6
130	79.5		62.2	93.2





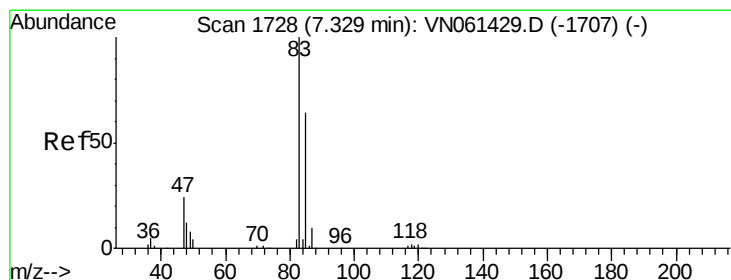
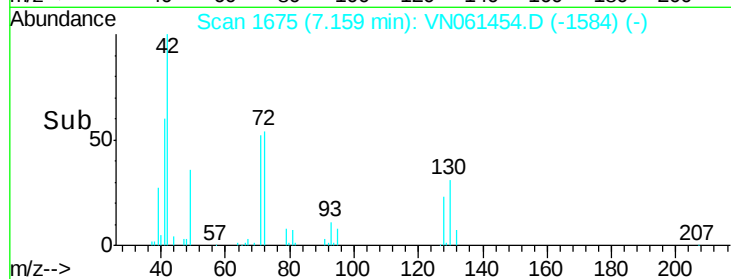
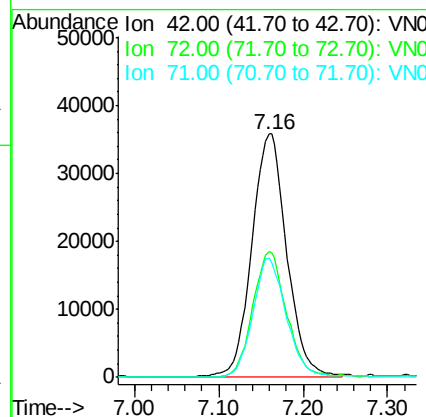
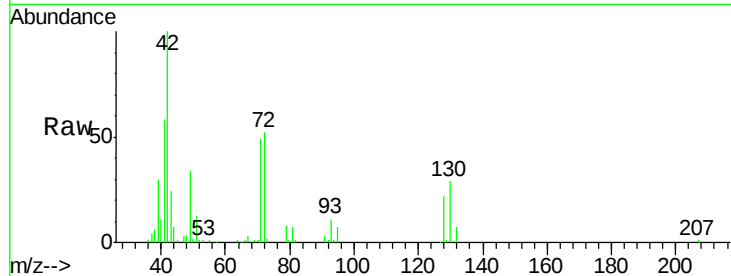
#29
Tetrahydrofuran
Concen: 84.225 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.0	58.6
71	46.5	36.9	55.3

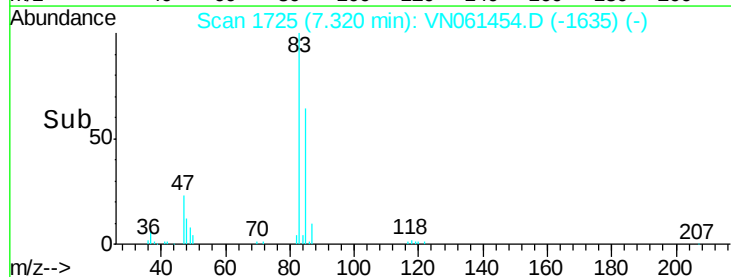
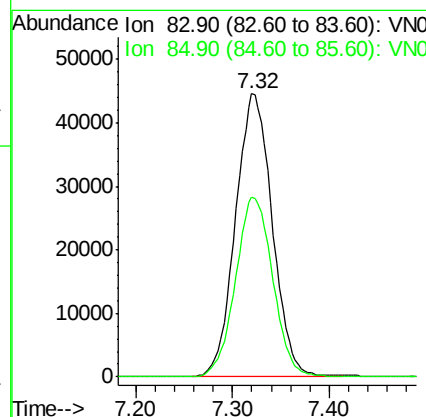
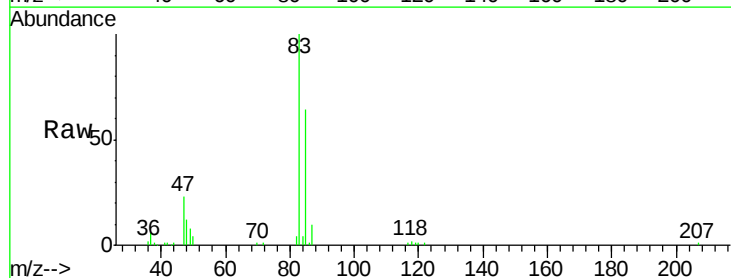
Manual Integrations
APPROVED

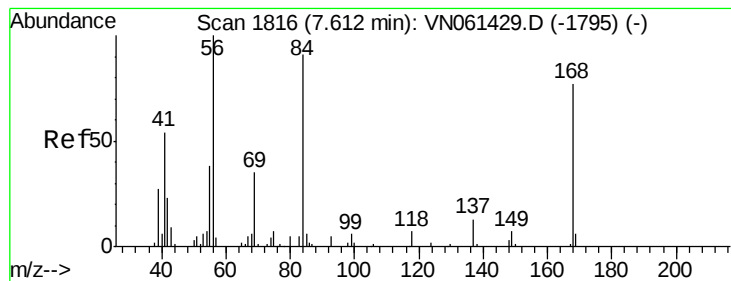
MMDadoda
5/19/2020 4:24:31 PM



#30
Chloroform
Concen: 18.989 ug/l
RT: 7.32 min Scan# 1725
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.4





#31

Cyclohexane

Concen: 16.423 ug/l

RT: 7.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

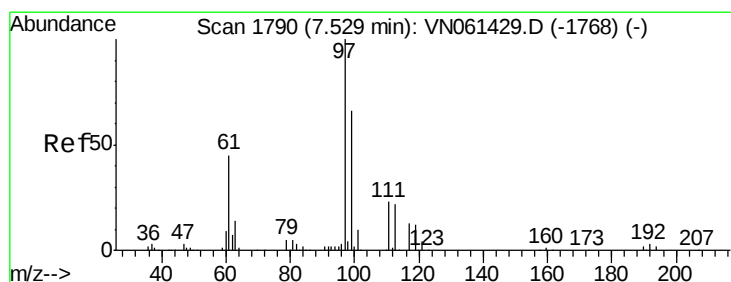
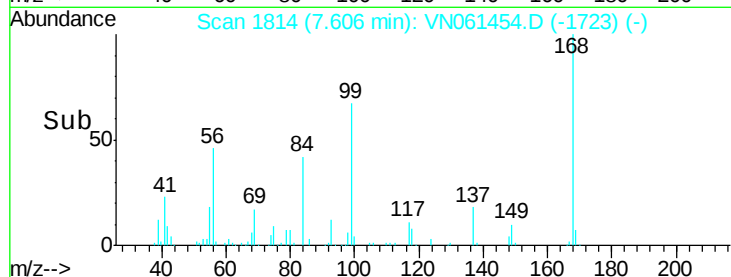
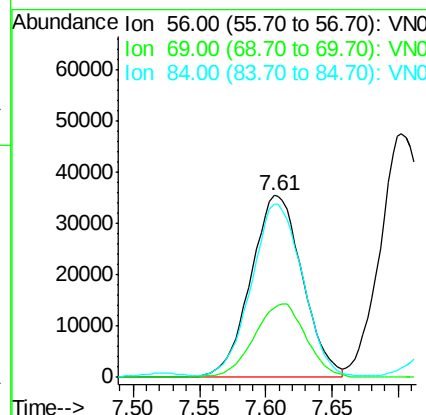
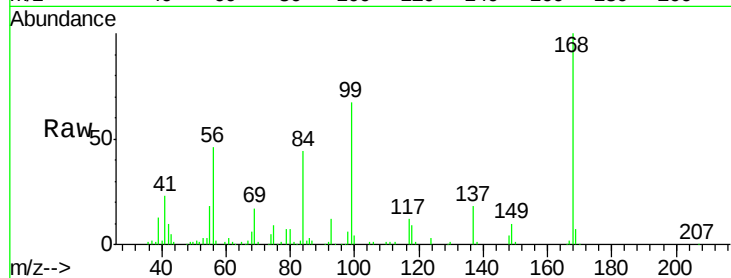
ClientSampleId :

VN0518WBSD02

Tot Ion:	56	Resp:	96324
Ion	Ratio	Lower	Upper
56	100		
69	38.0	27.8	41.6
84	94.7	72.7	109.1

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#32

1,1,1-Trichloroethane

Concen: 18.217 ug/l

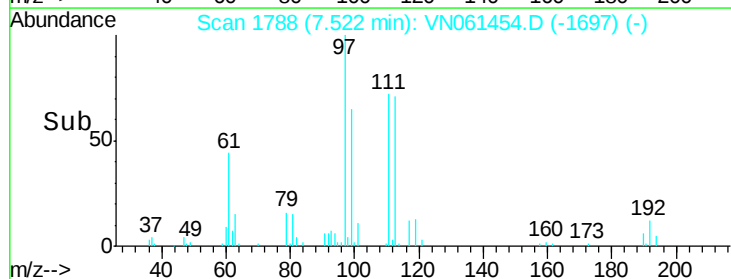
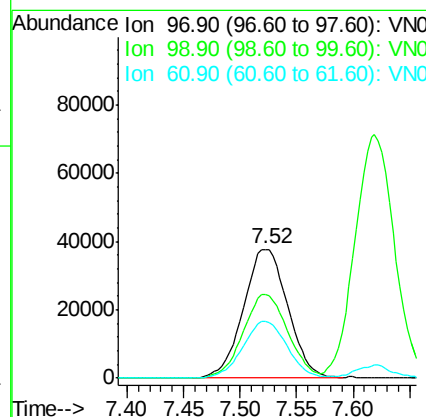
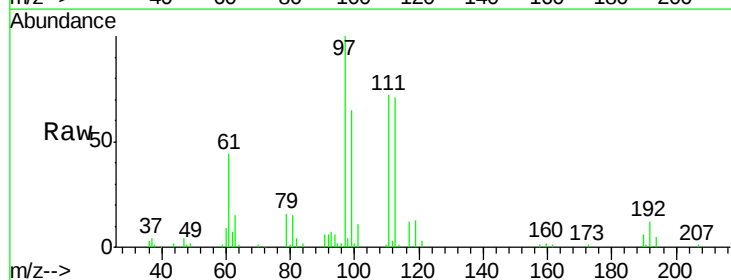
RT: 7.52 min Scan# 1788

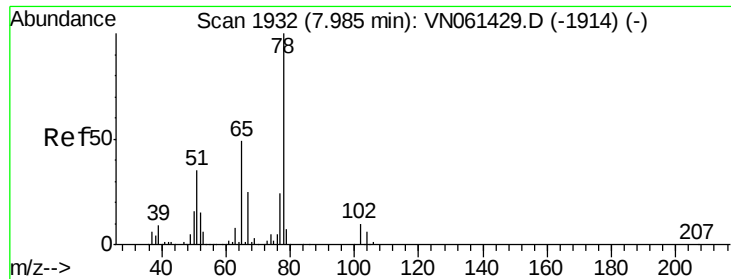
Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion:	97	Resp:	103283
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.5	77.3
61	43.9	35.8	53.6





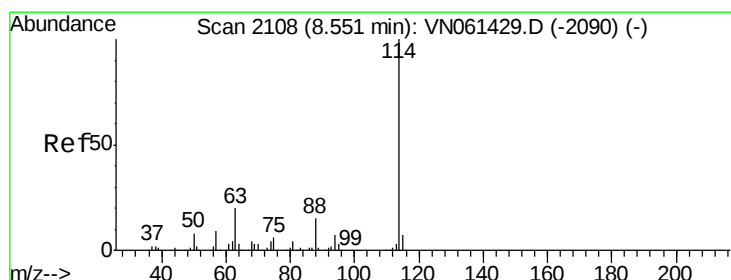
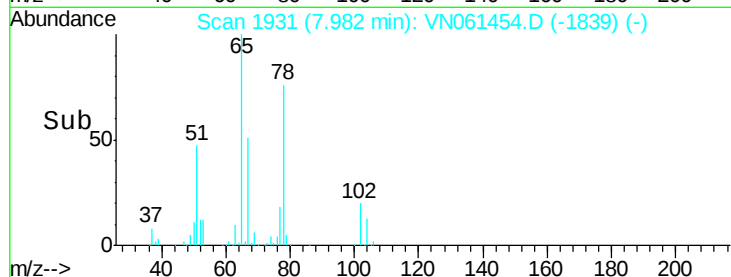
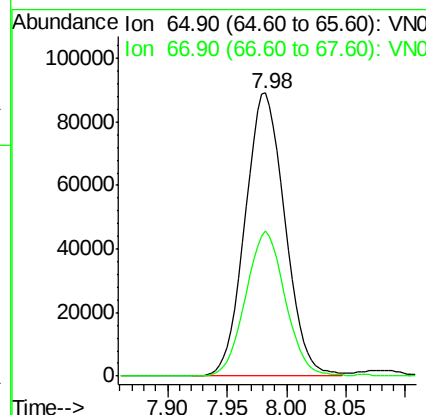
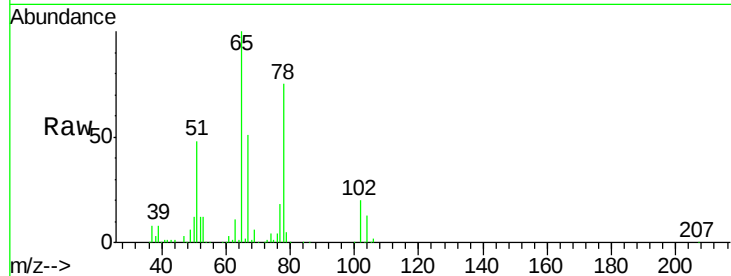
#33
 1,2-Dichloroethane-d4
 Concen: 51.122 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207295		
67	50.8	0.0	101.4	

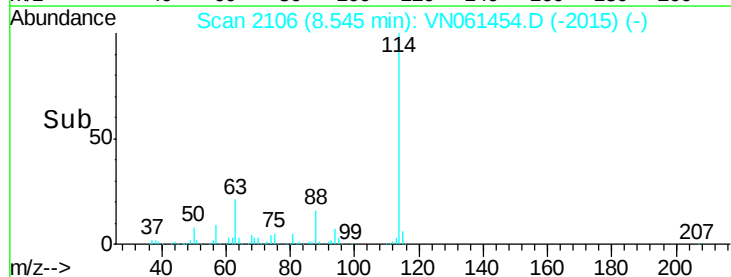
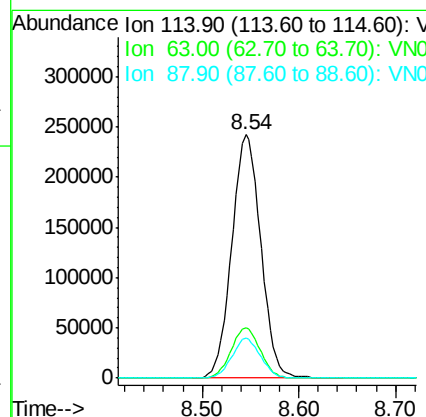
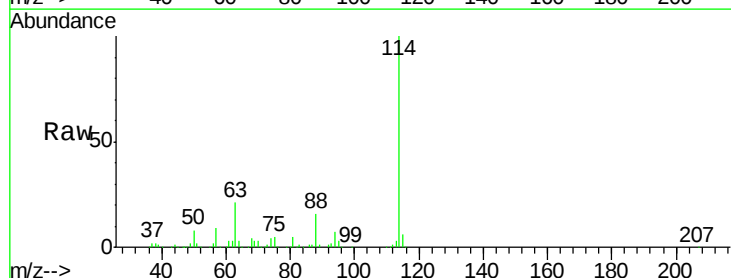
Manual Integrations
 APPROVED

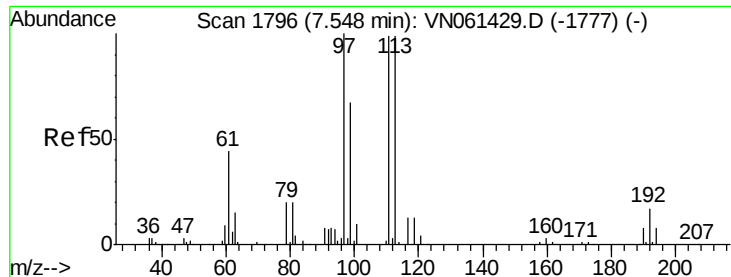
MMDadoda
 5/19/2020 4:24:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	504438		
63	20.9	0.0	40.8	
88	16.5	0.0	30.8	





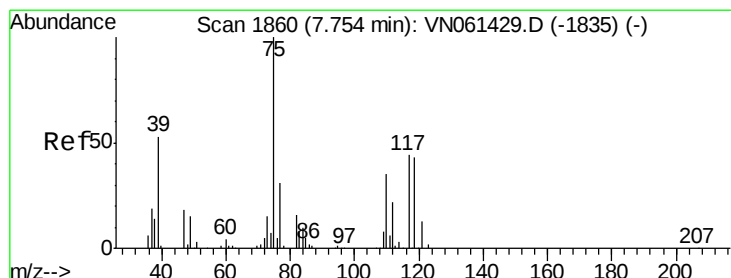
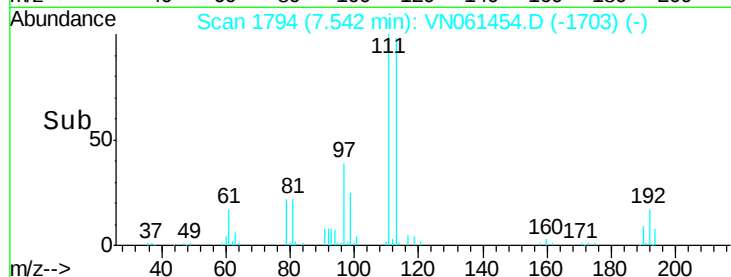
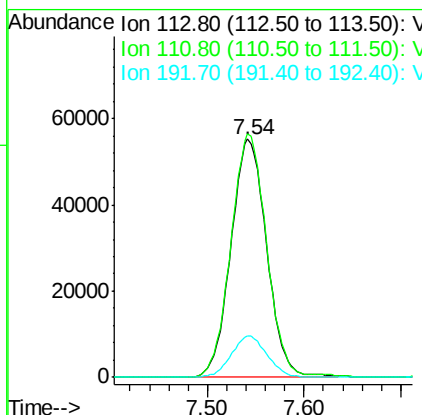
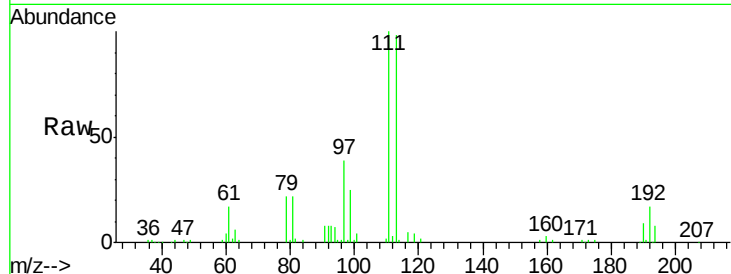
#35
 Dibromofluoromethane
 Concen: 53.638 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141744		
111	101.8	80.6	121.0	
192	17.3	13.2	19.8	

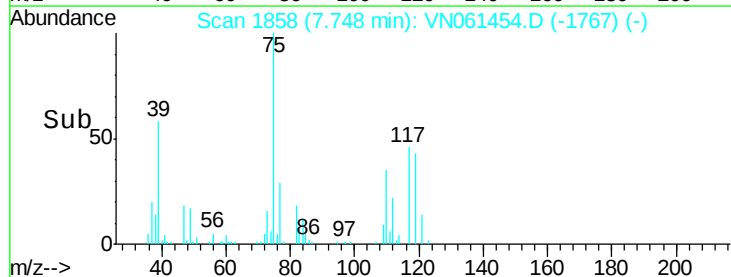
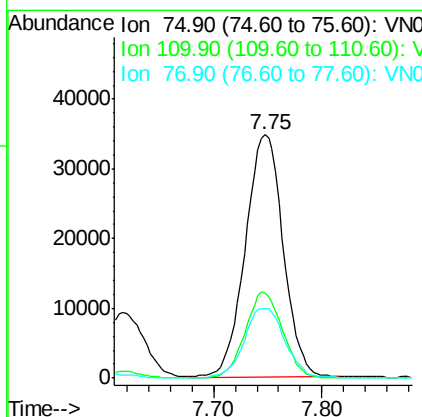
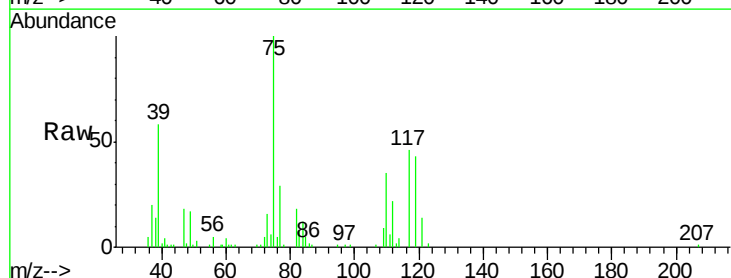
Manual Integrations
 APPROVED

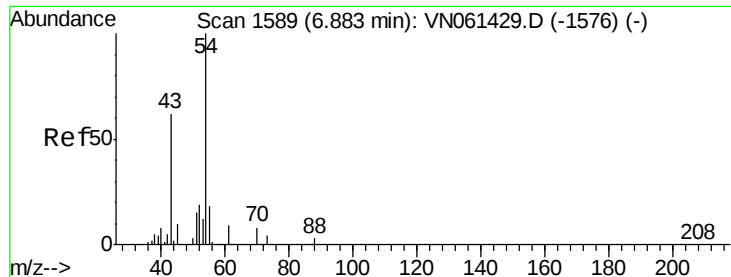
MMDadoda
 5/19/2020 4:24:31 PM



#36
 1,1-Dichloropropene
 Concen: 17.966 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84743		
110	34.8	17.3	51.9	
77	31.2	24.9	37.3	





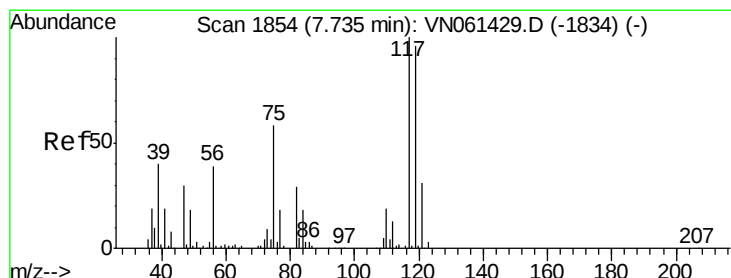
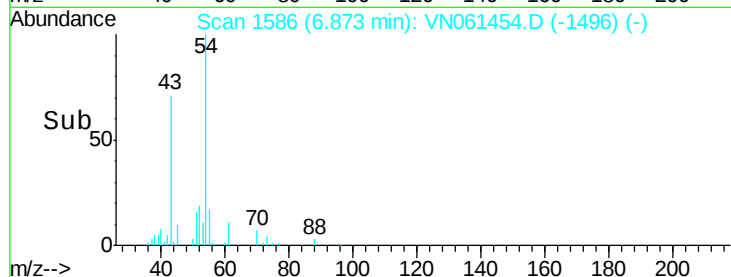
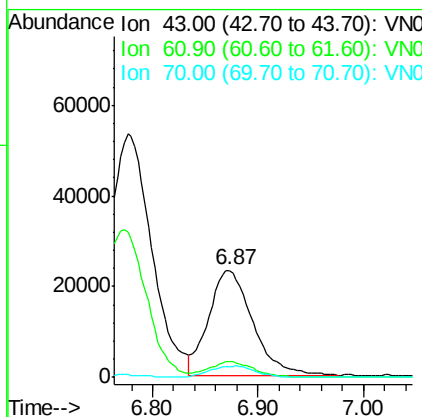
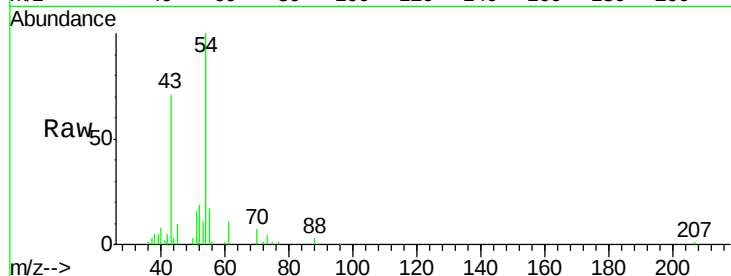
#37
Ethyl Acetate
Concen: 15.800 ug/l
RT: 6.87 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.4	11.7	17.5	
70	11.1	9.2	13.8	

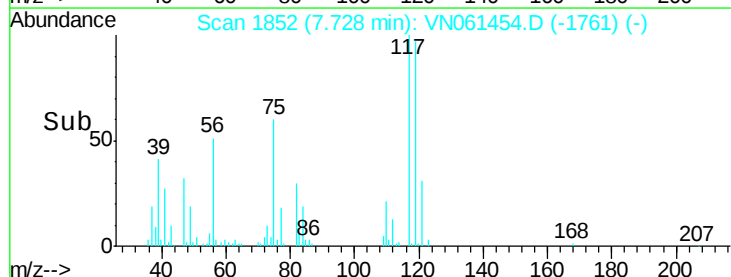
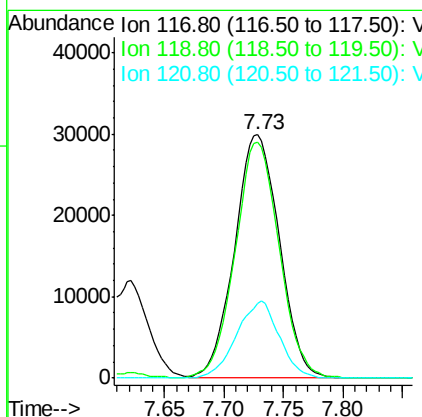
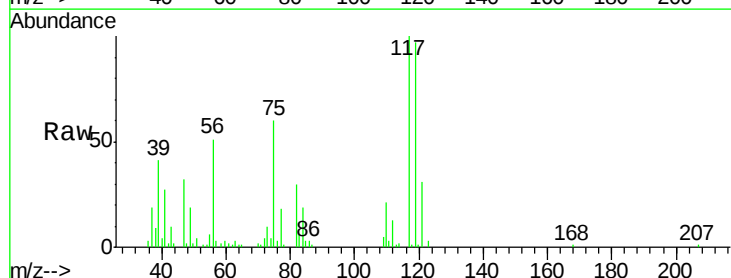
Manual Integrations
APPROVED

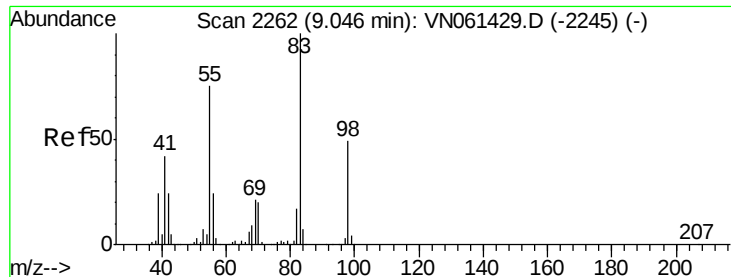
MMDadoda
5/19/2020 4:24:31 PM



#38
Carbon Tetrachloride
Concen: 17.974 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.3	77.0	115.6	
121	30.5	24.7	37.1	





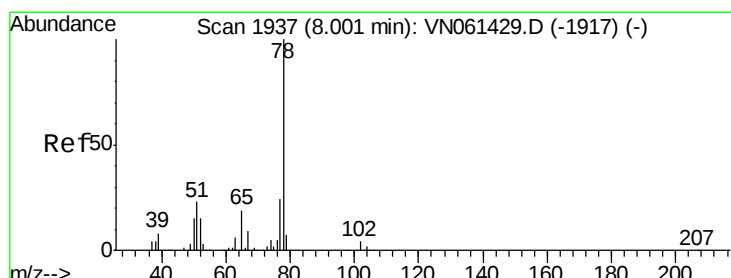
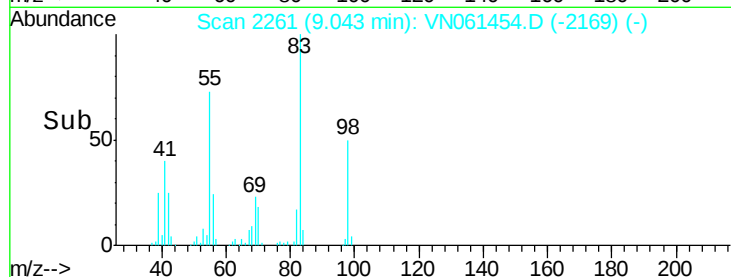
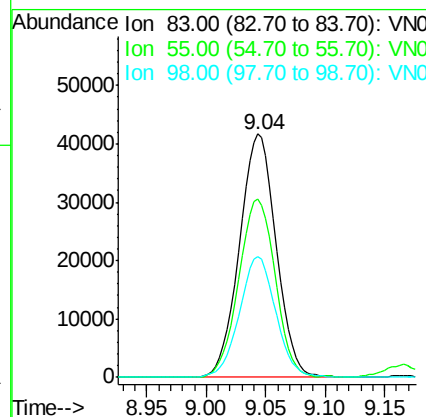
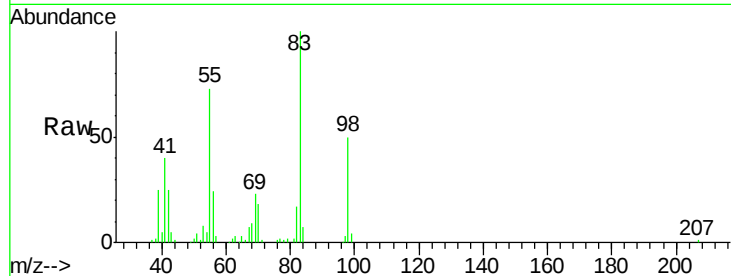
#39
Methvlcvclohexane
Concen: 15.440 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.2	59.7	89.5	
98	49.8	38.9	58.3	

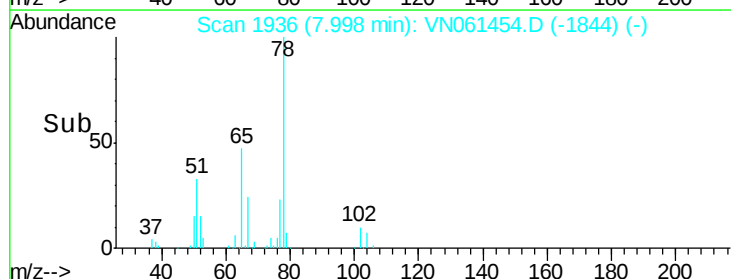
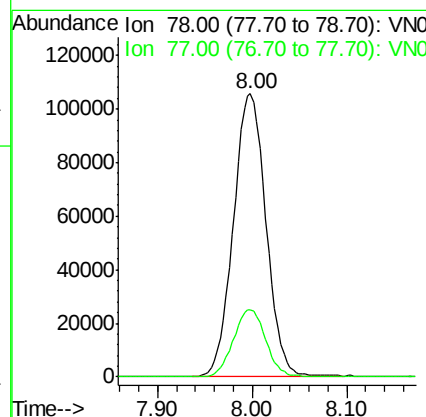
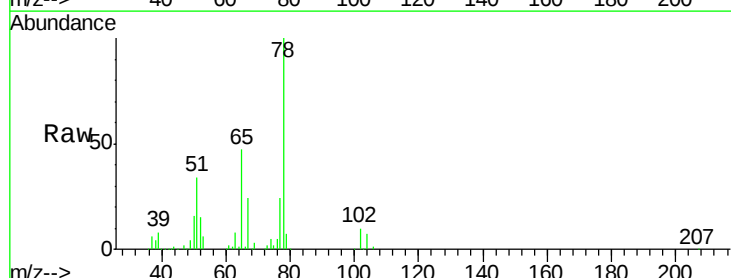
Manual Integrations
APPROVED

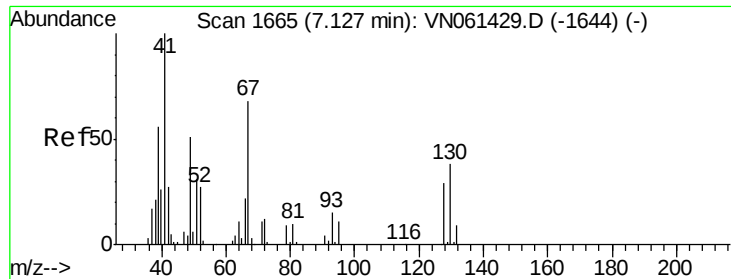
MMDadoda
5/19/2020 4:24:31 PM



#40
Benzene
Concen: 17.857 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.1	28.7	





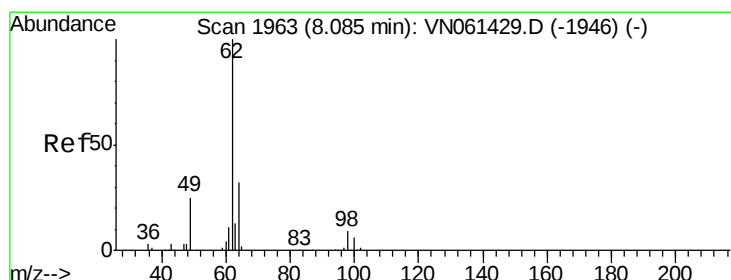
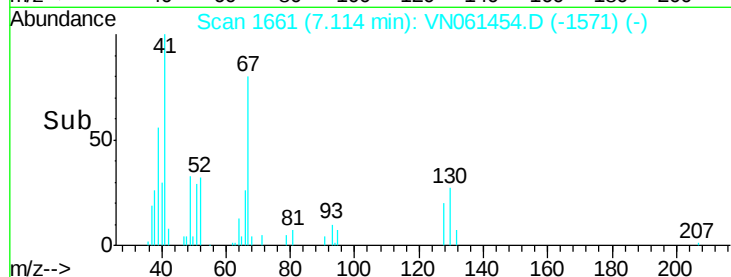
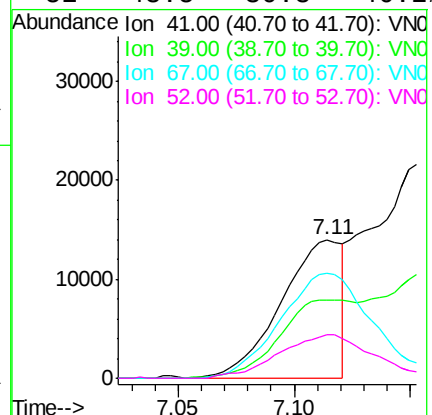
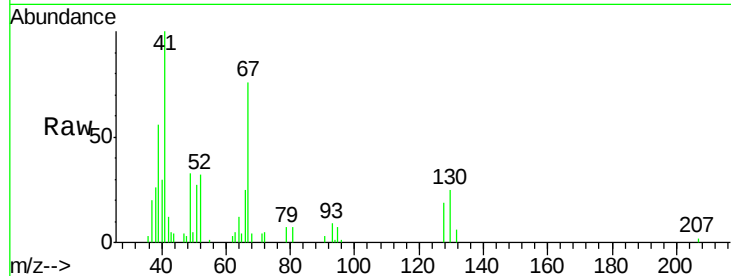
#41
Methacrylonitrile
Concen: 14.132 ug/l
RT: 7.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	41	Resp	25532
Ion Ratio	Lower	Upper	
41	100		
39	69.7	48.3	72.5
67	115.2	74.2	111.4#
52	48.5	30.8	46.2#

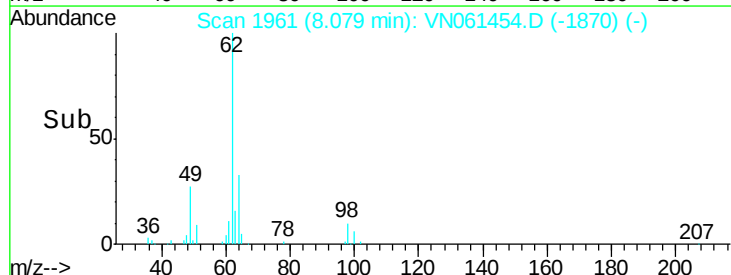
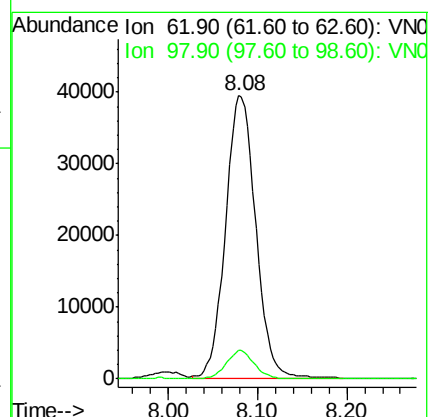
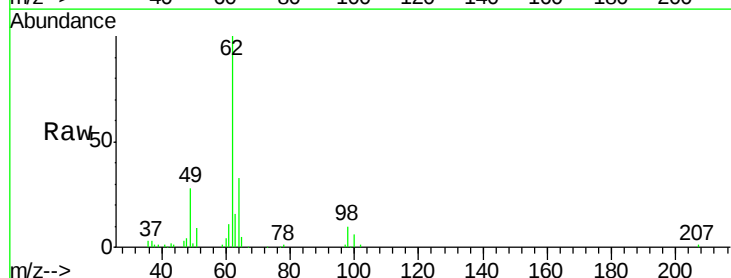
Manual Integrations
APPROVED

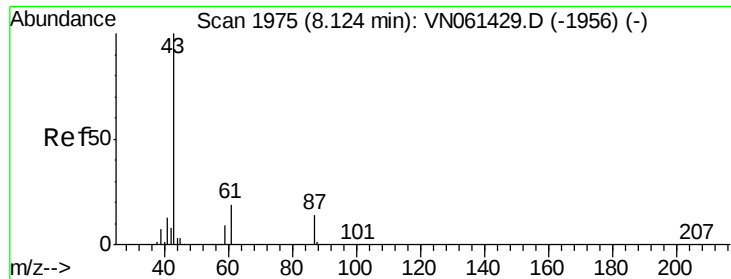
MMDadoda
5/19/2020 4:24:31 PM



#42
1,2-Dichloroethane
Concen: 18.182 ug/l
RT: 8.08 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	62	Resp	93114
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	18.4





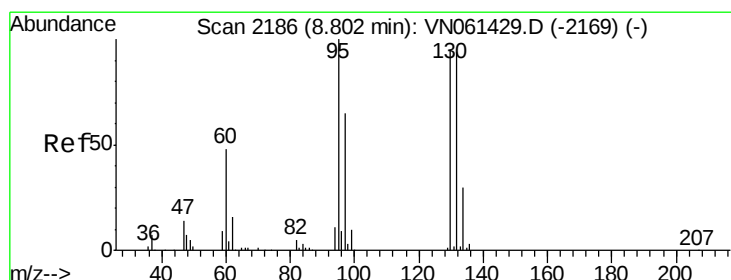
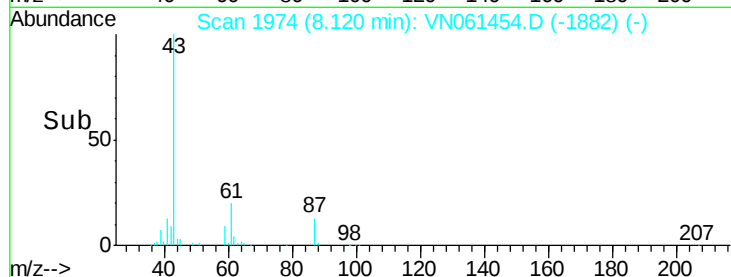
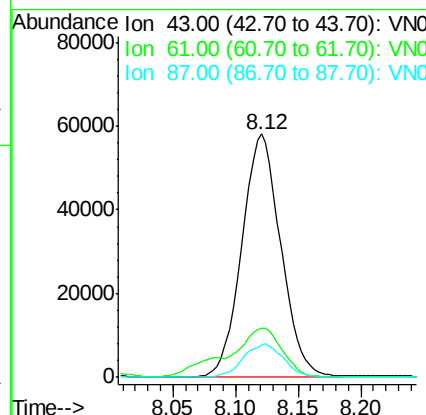
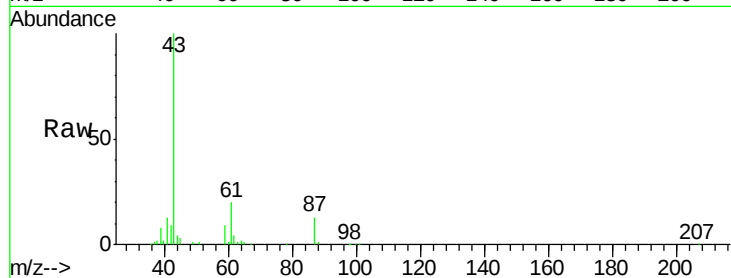
#43
Isopropyl Acetate
Concen: 16.657 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	23.0	34.4#
87	14.4	11.6	17.4

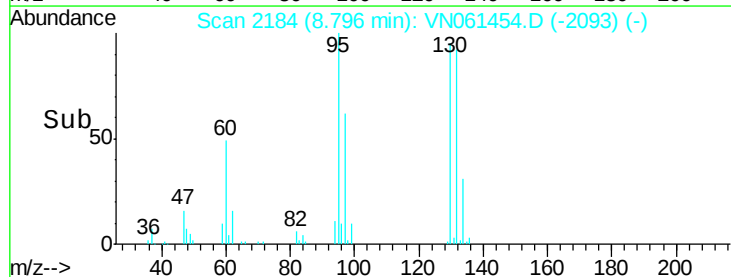
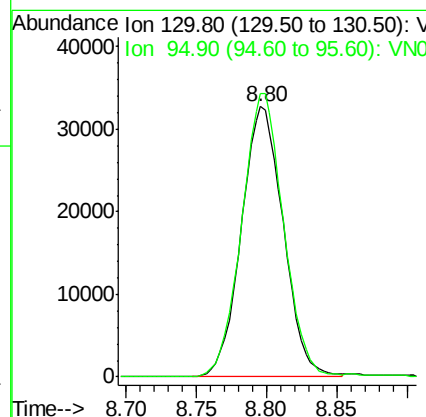
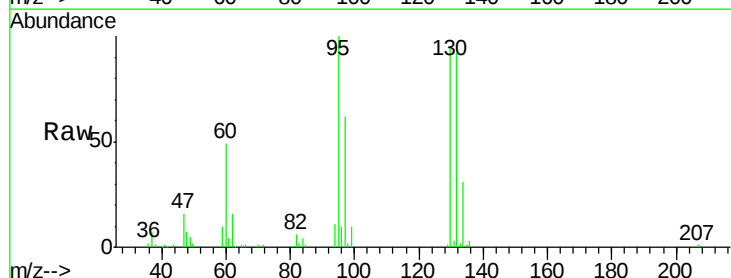
Manual Integrations
APPROVED

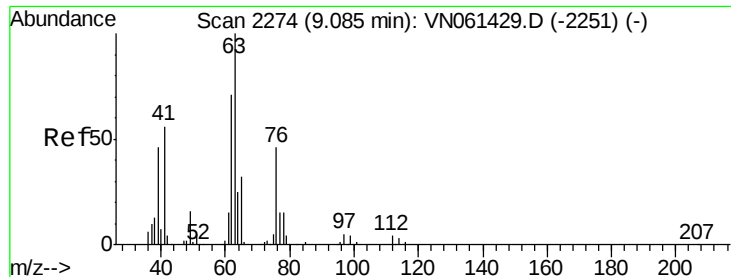
MMDadoda
5/19/2020 4:24:31 PM



#44
Trichloroethene
Concen: 18.317 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	209.8





#45

1,2-Dichloropropane

Concen: 18.086 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 63 Resp: 64347

Ion Ratio Lower Upper

63 100

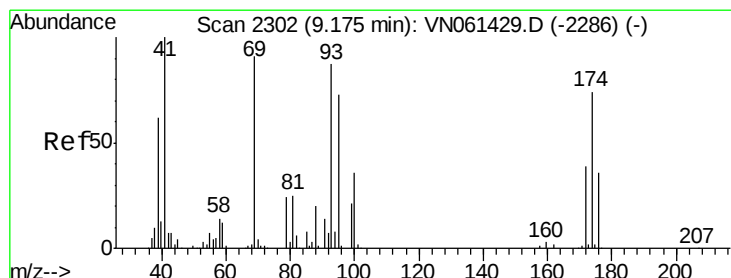
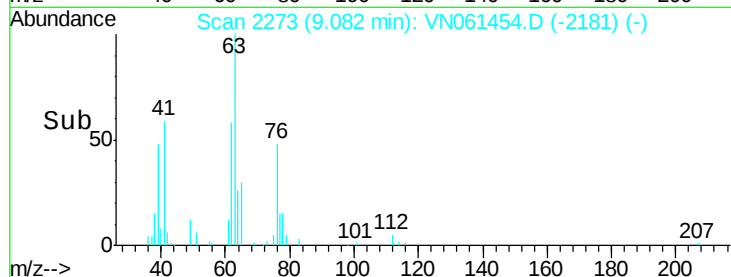
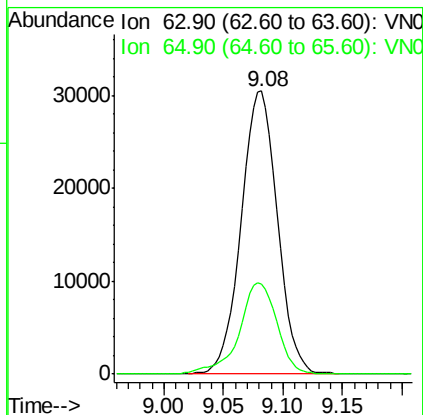
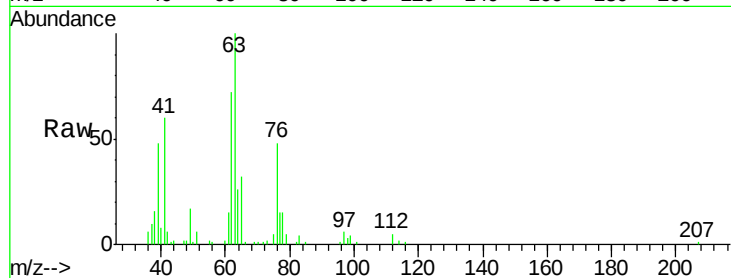
65 31.8 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:31 PM



#46

Dibromomethane

Concen: 18.275 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

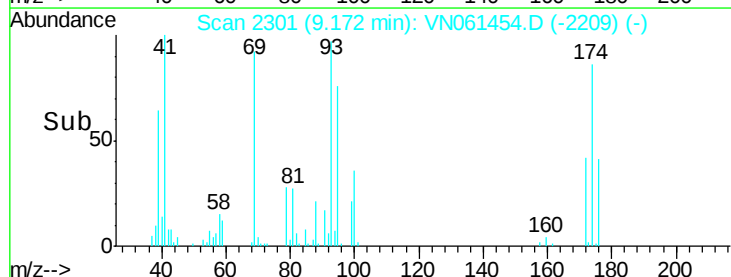
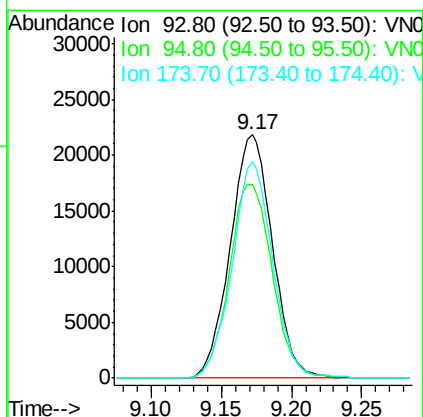
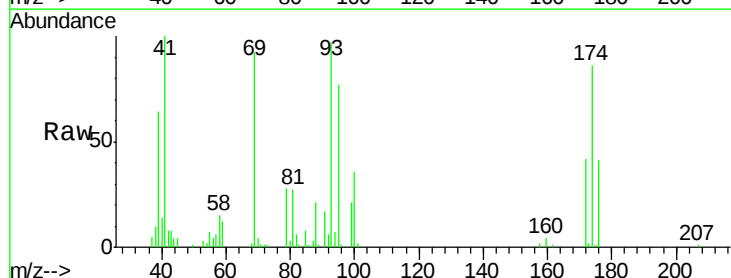
Tgt Ion: 93 Resp: 45580

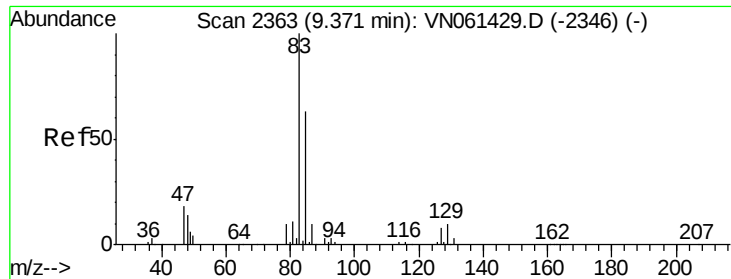
Ion Ratio Lower Upper

93 100

95 81.6 65.6 98.4

174 85.7 68.0 102.0





#47

Bromodichloromethane

Concen: 18.084 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

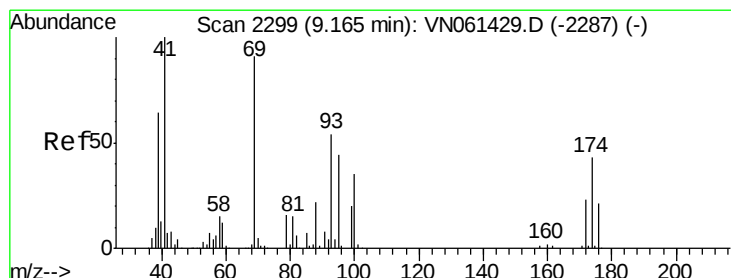
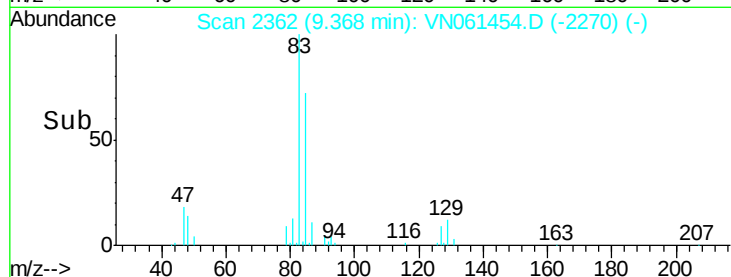
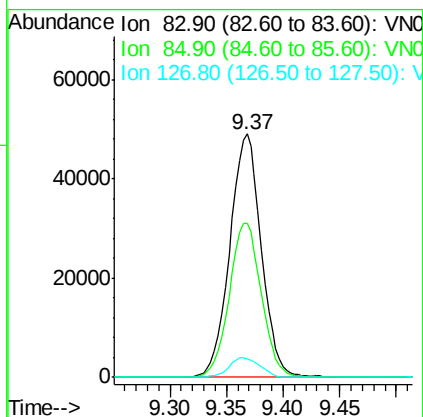
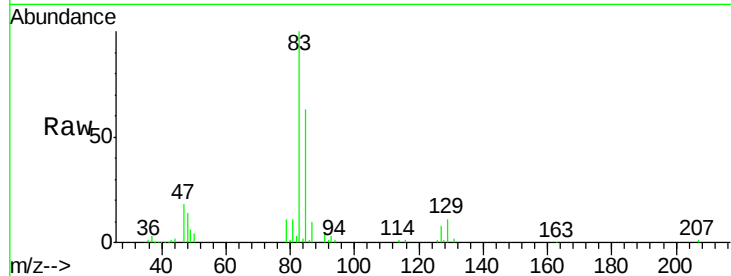
ClientSampleId :

VN0518WBSD02

Tot Ion:	83	Resp:	95035
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0
127	7.7	6.1	9.1

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#48

Methyl methacrylate

Concen: 16.524 ug/l

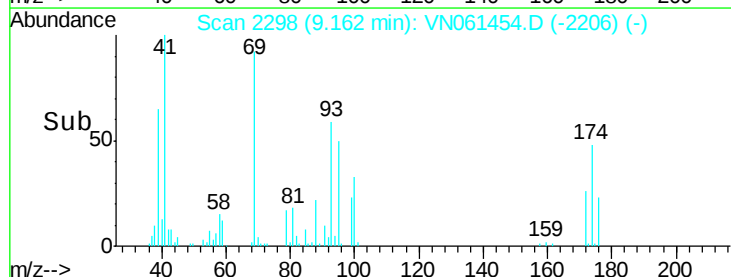
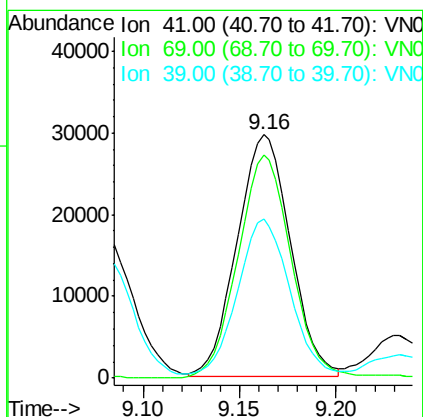
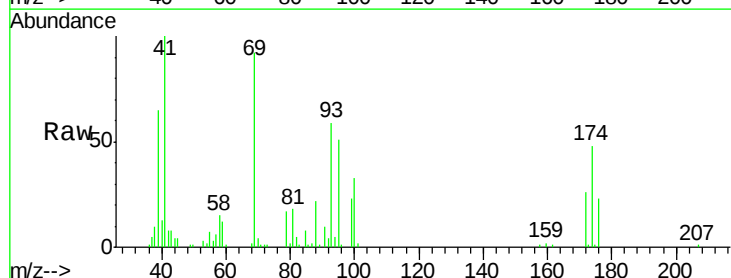
RT: 9.16 min Scan# 2298

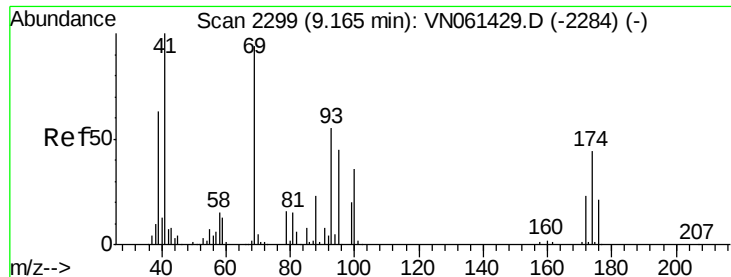
Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion:	41	Resp:	56949
Ion	Ratio	Lower	Upper
41	100		
69	91.6	75.3	112.9
39	64.7	52.6	79.0





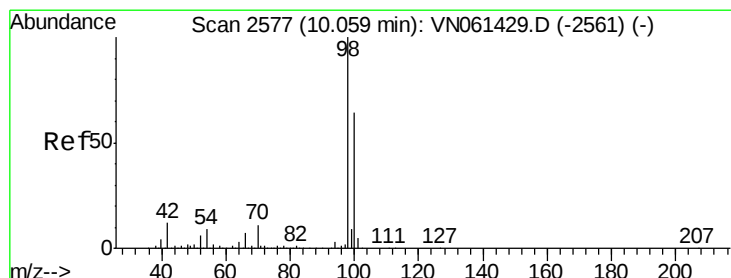
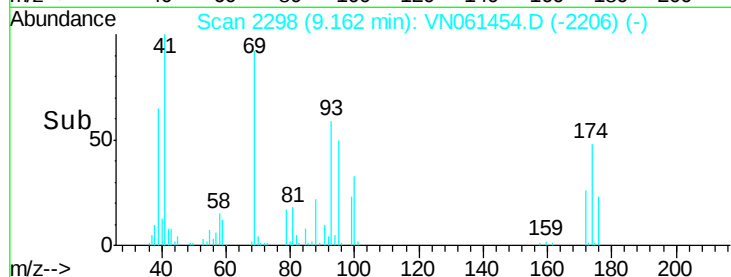
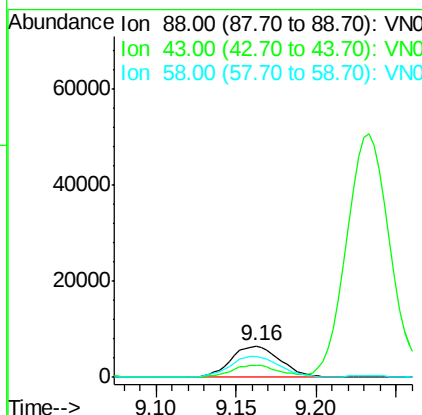
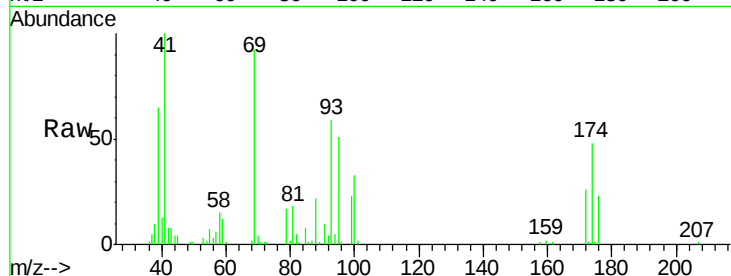
#49
1,4-Dioxane
Concen: 350.317 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	88	Resp	13587
Ion	Ratio	Lower	Upper
88	100		
43	38.4	26.3	39.5
58	68.2	54.1	81.1

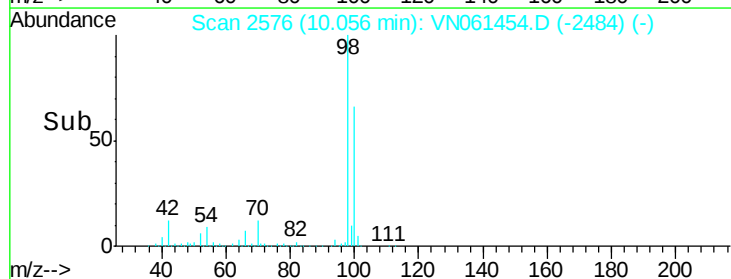
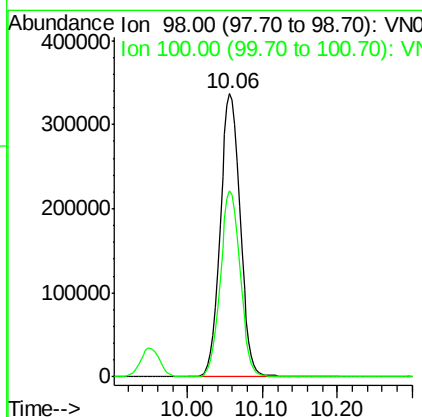
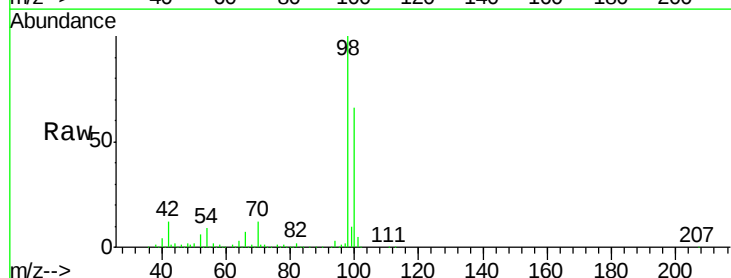
Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#50
Toluene-d8
Concen: 50.627 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	98	Resp	620538
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 85.966 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 43 Resp: 349381

Ion Ratio Lower Upper

43 100

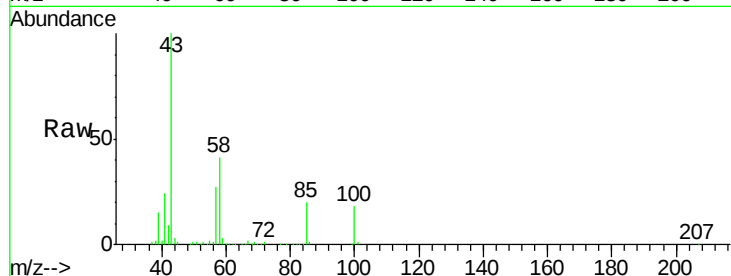
58 41.6 33.4 50.2

Manual Integrations

APPROVED

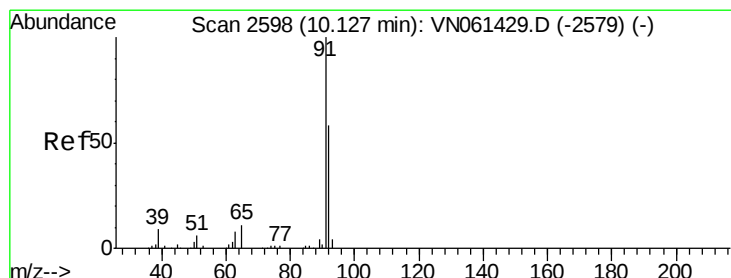
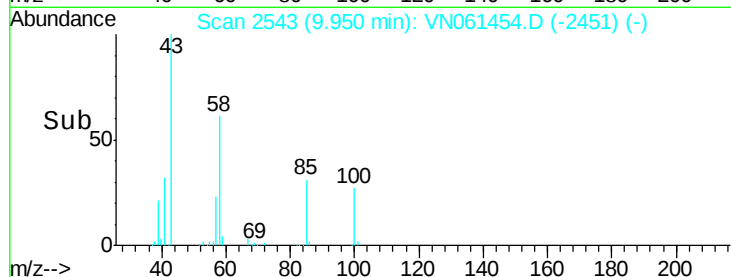
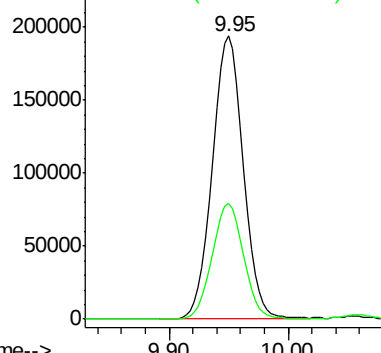
MMDadoda

5/19/2020 4:24:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.049 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061454.D

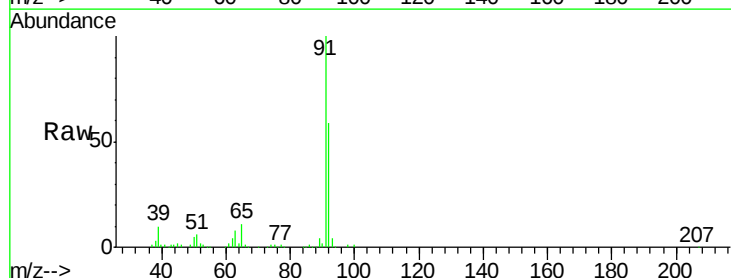
Acq: 19 May 2020 3:02

Tgt Ion: 92 Resp: 164713

Ion Ratio Lower Upper

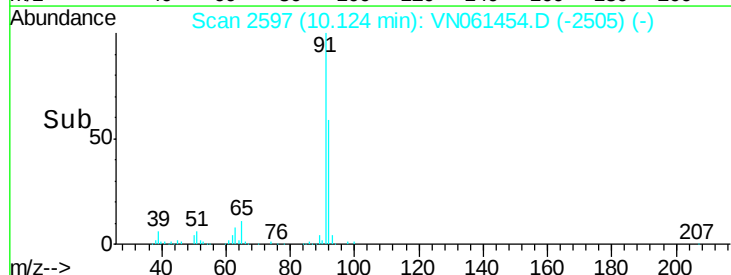
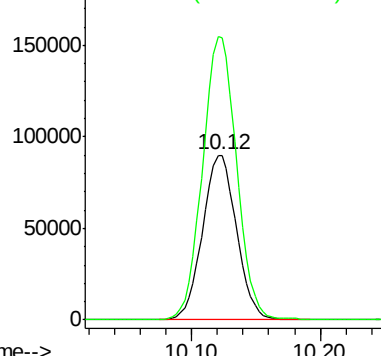
92 100

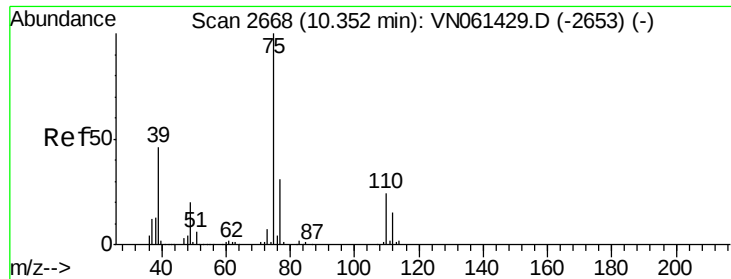
91 171.8 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





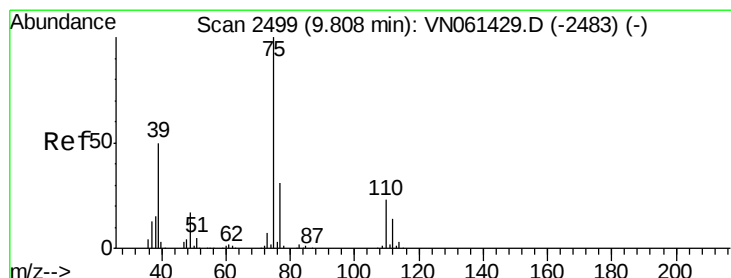
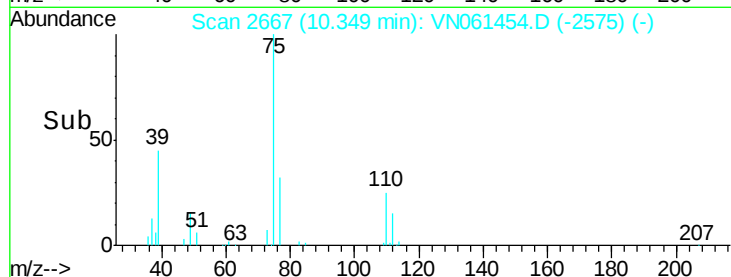
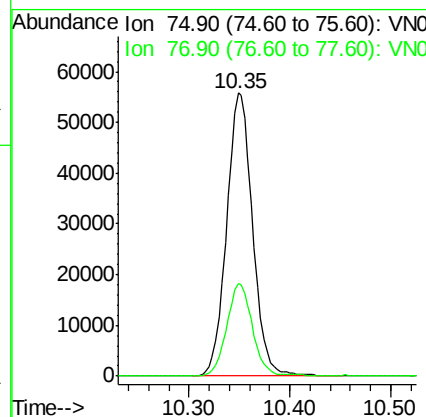
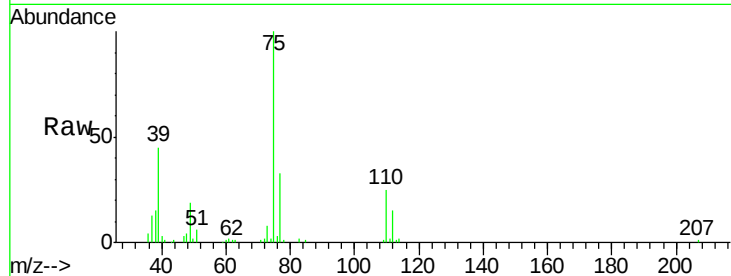
#53
t-1,3-Dichloropropene
Concen: 17.404 ug/l
RT: 10.35 min Scan# 2667
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.8	37.2

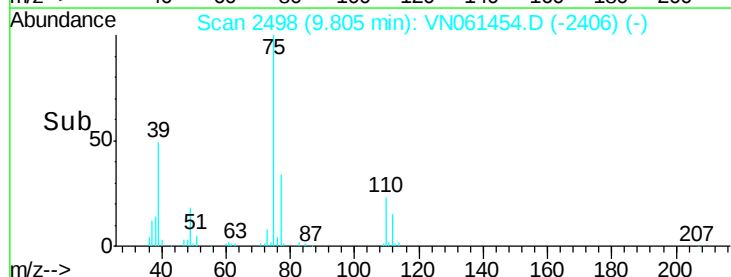
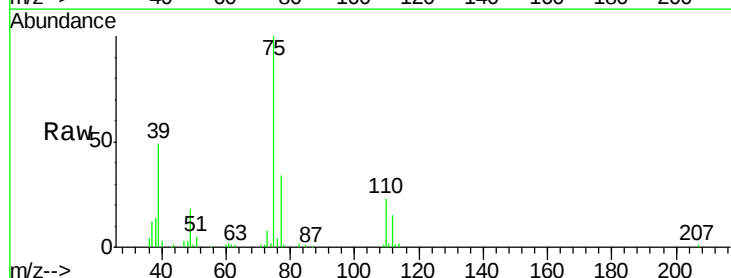
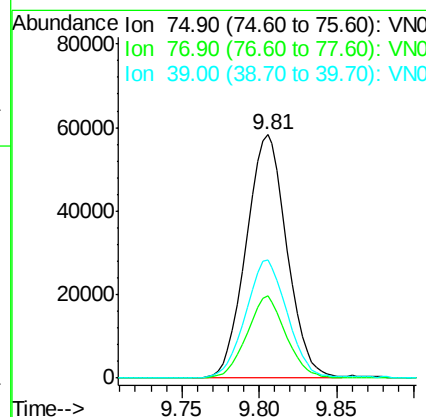
Manual Integrations
APPROVED

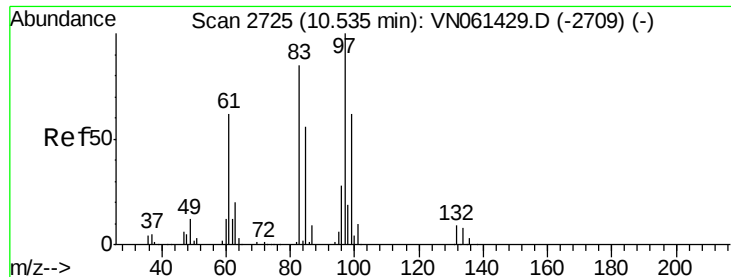
MMDadoda
5/19/2020 4:24:31 PM



#54
cis-1,3-Dichloropropene
Concen: 17.468 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.8	37.2
39	48.5	39.8	59.6





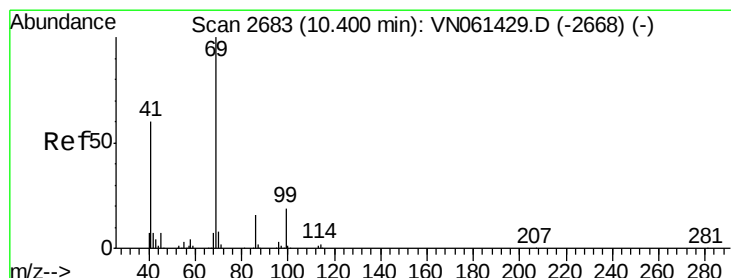
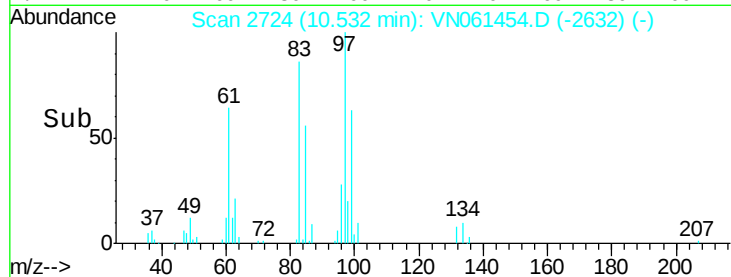
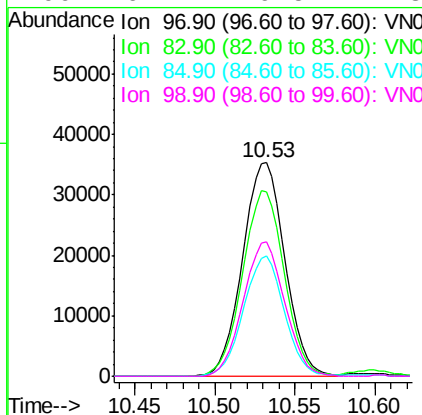
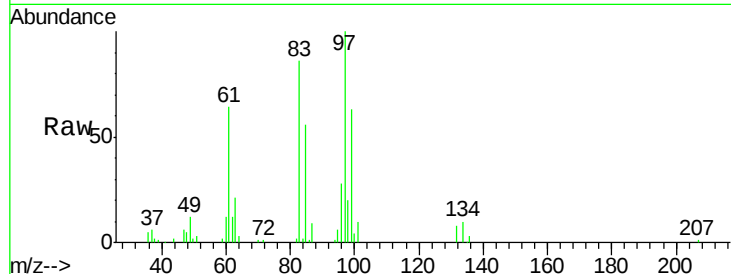
#55
 1,1,2-Trichloroethane
 Concen: 18.528 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion:	97	Resp:	63924
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.2	102.4
85	56.3	44.6	67.0
99	62.7	49.5	74.3

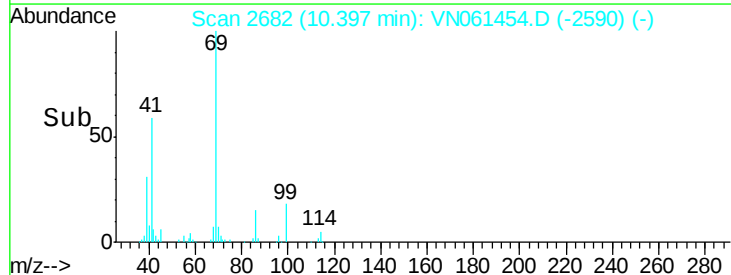
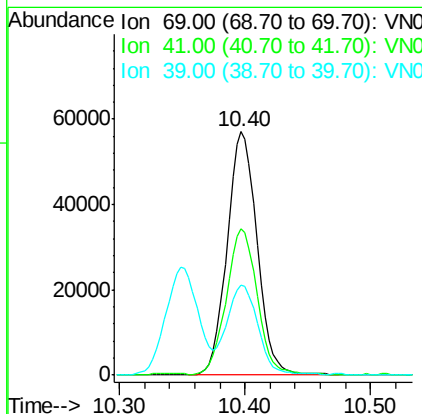
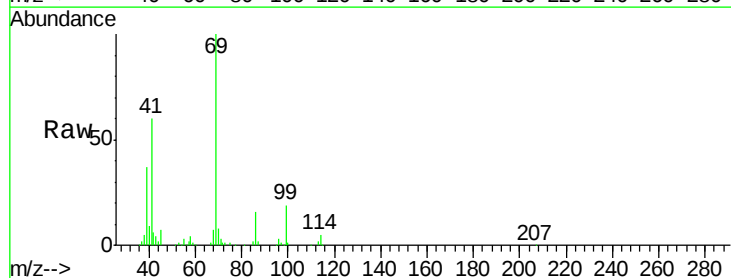
Manual Integrations
 APPROVED

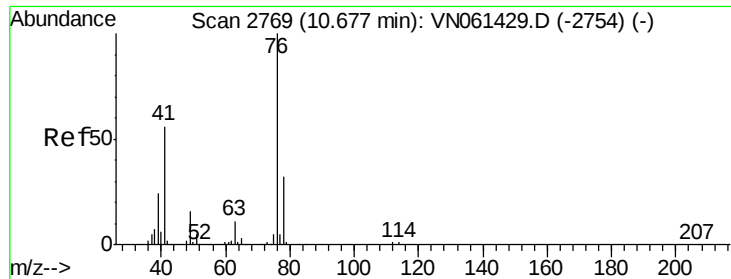
MMDadoda
 5/19/2020 4:24:31 PM



#56
 Ethyl methacrylate
 Concen: 17.603 ug/l
 RT: 10.40 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion:	69	Resp:	94951
Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.3	72.5
39	38.3	30.2	45.2





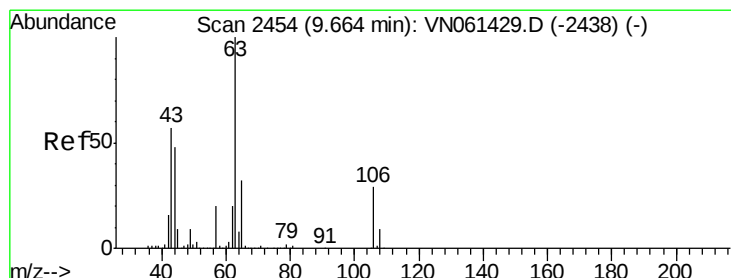
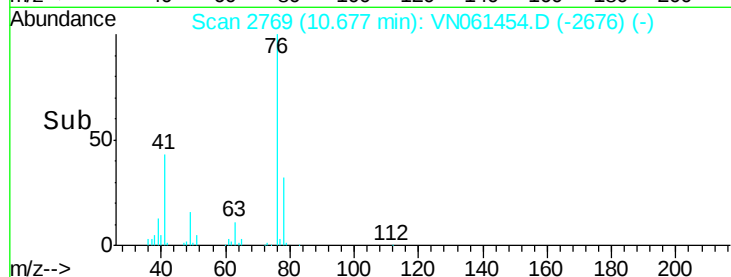
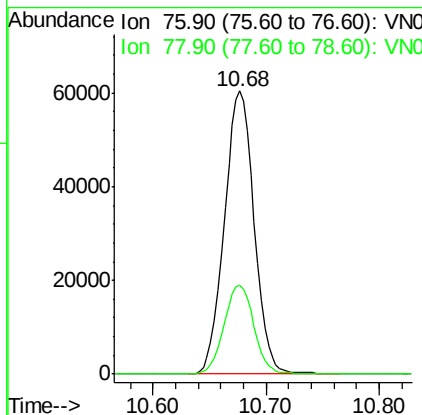
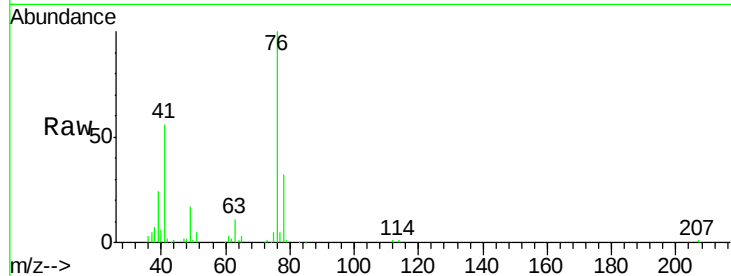
#57
 1,3-Dichloropropane
 Concen: 18.500 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion: 76 Resp: 110305
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.0 39.0

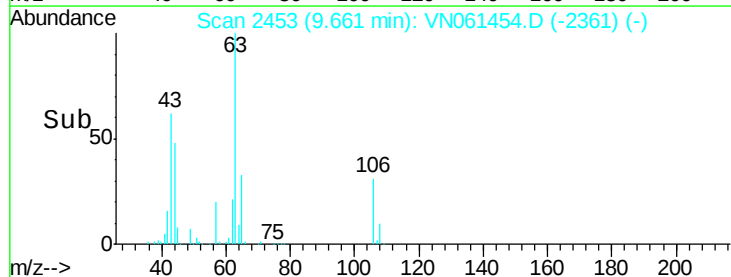
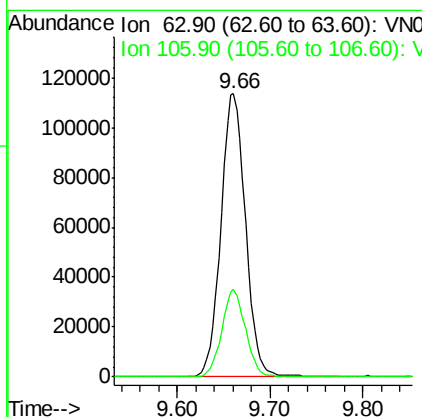
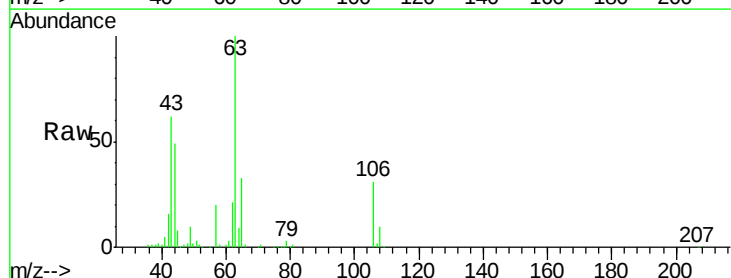
Manual Integrations
 APPROVED

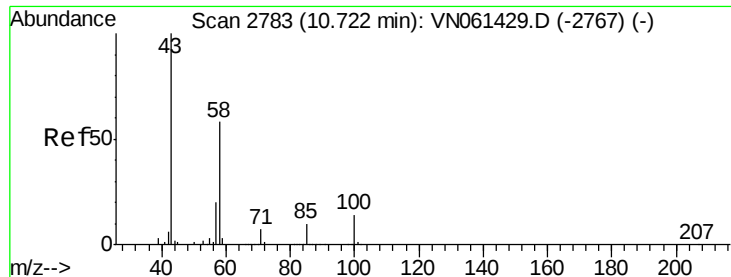
MMDadoda
 5/19/2020 4:24:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.211 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 63 Resp: 208848
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.7 34.1





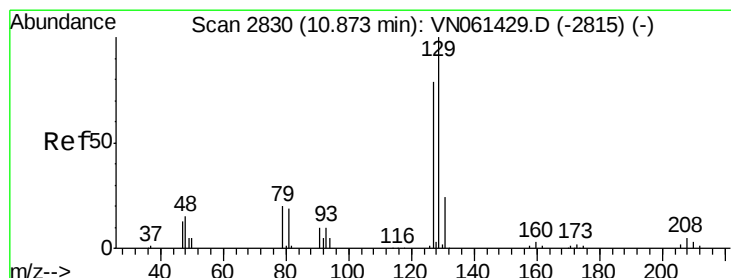
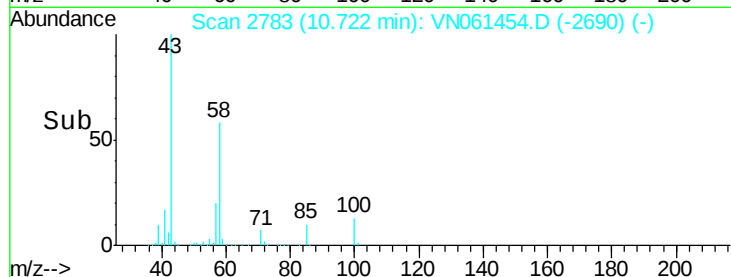
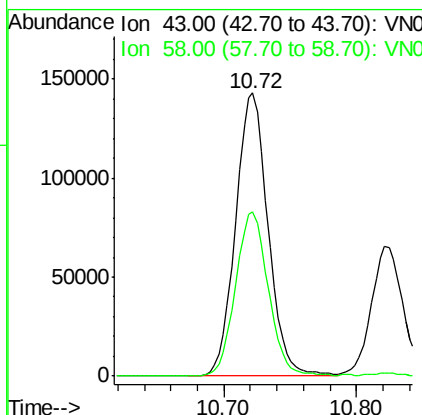
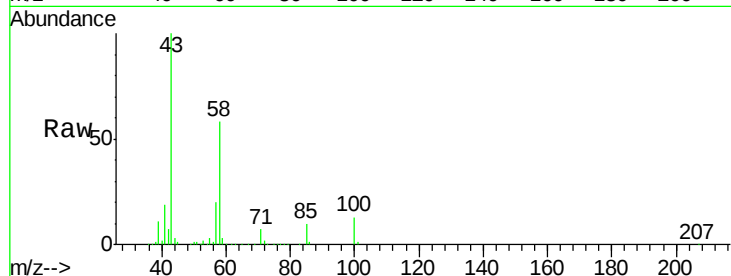
#59
2-Hexanone
Concen: 82.900 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	43	Resp	243759
Ion Ratio	Lower	Upper	
43	100		
58	58.5	29.2	87.6

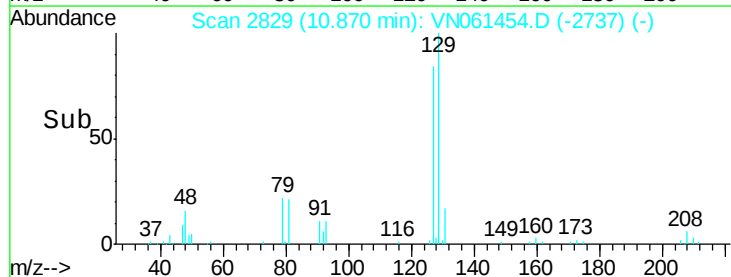
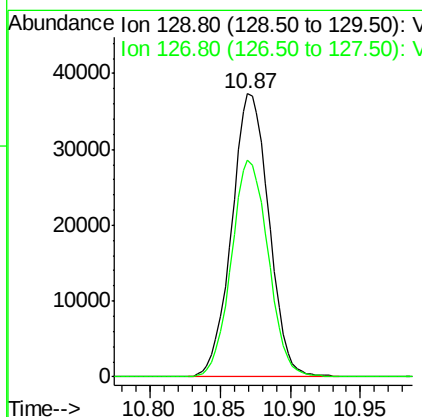
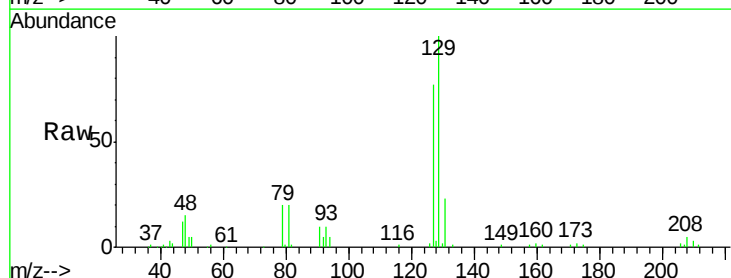
Manual Integrations
APPROVED

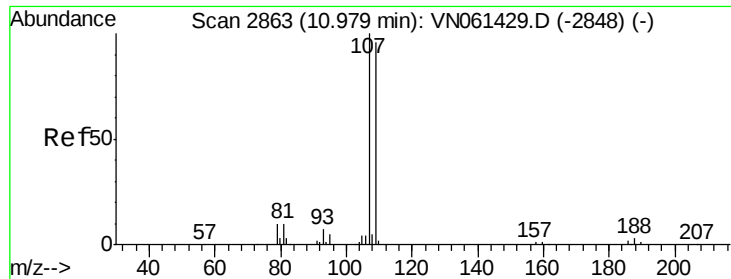
MMDadoda
5/19/2020 4:24:31 PM



#60
Dibromochloromethane
Concen: 18.114 ug/l
RT: 10.87 min Scan# 2829
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	129	Resp	69129
Ion Ratio	Lower	Upper	
129	100		
127	75.8	38.8	116.3





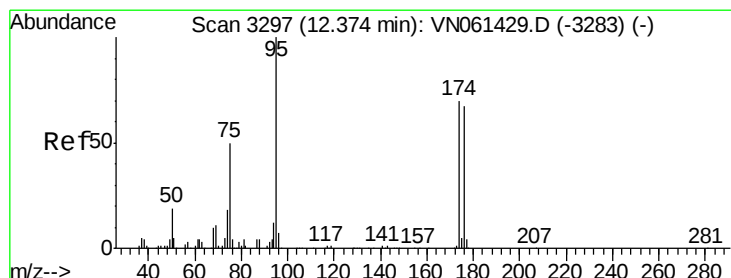
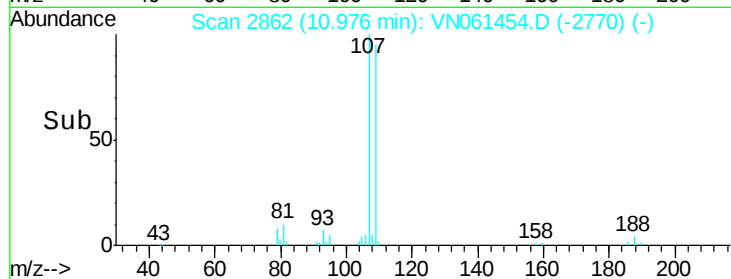
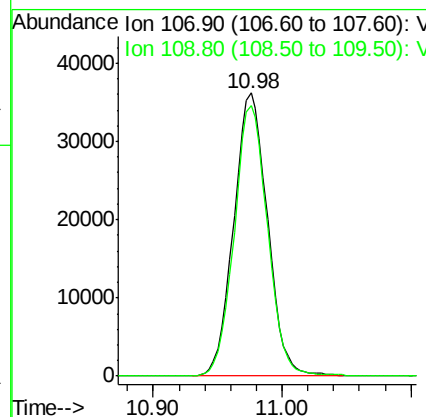
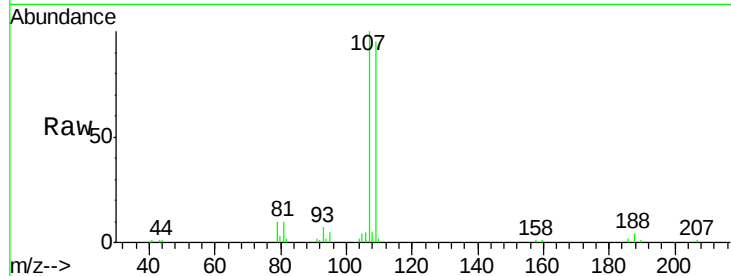
#61
 1,2-Dibromoethane
 Concen: 18.137 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion: 107 Resp: 65792
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5

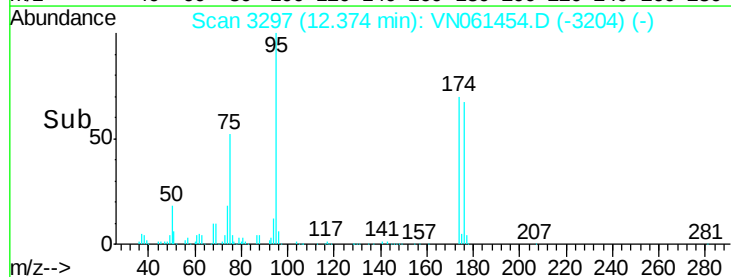
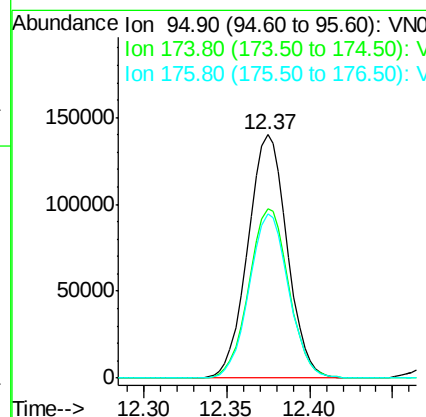
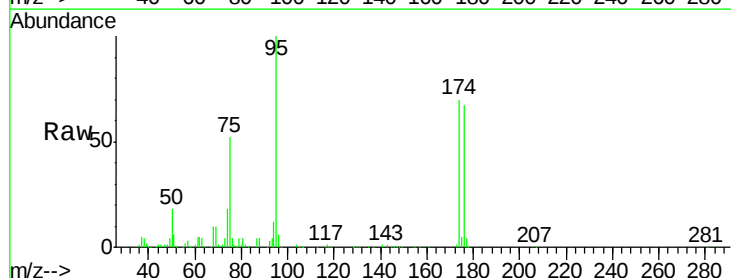
Manual Integrations
 APPROVED

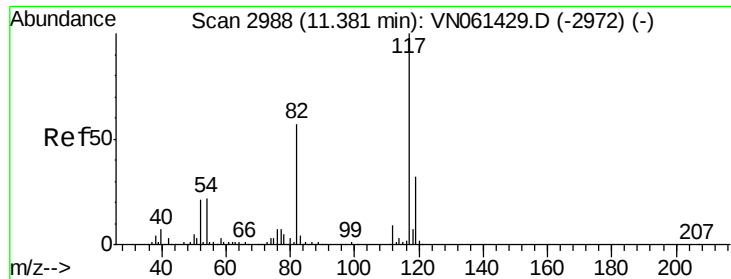
MMDadoda
 5/19/2020 4:24:31 PM



#62
 4-Bromofluorobenzene
 Concen: 50.309 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 95 Resp: 230380
 Ion Ratio Lower Upper
 95 100
 174 70.9 0.0 141.2
 176 67.9 0.0 137.6





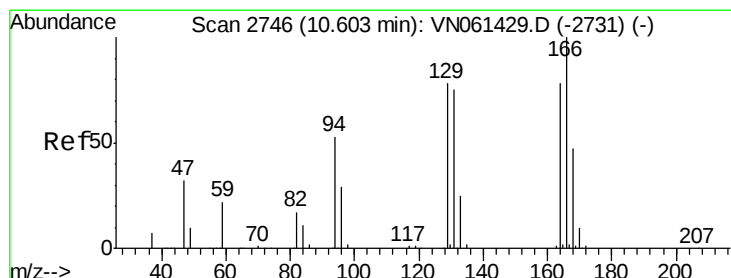
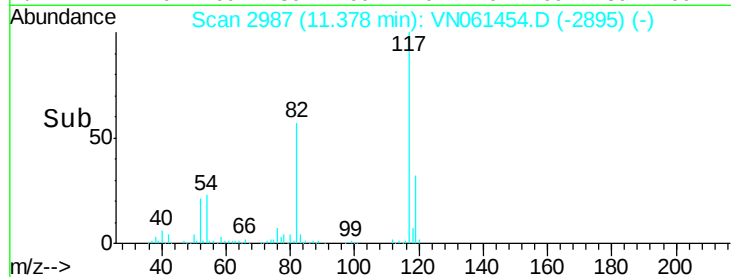
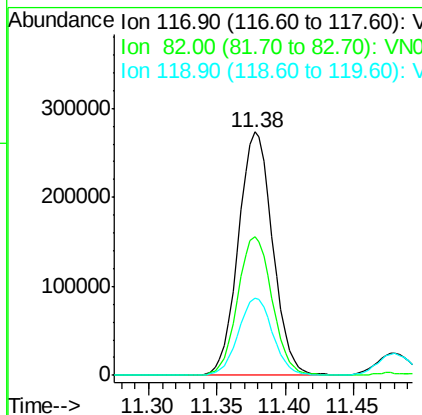
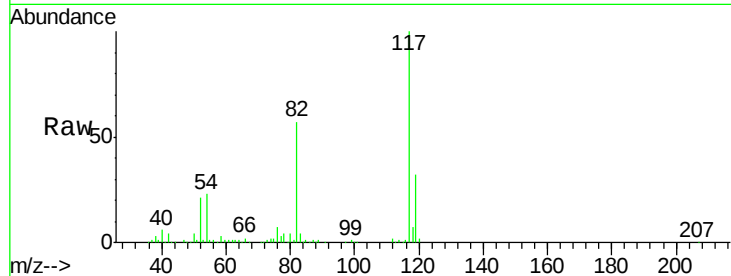
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	476775		
82	56.9		45.2	67.8
119	31.7		25.3	37.9

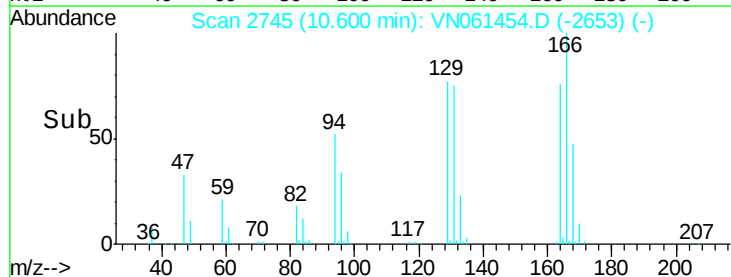
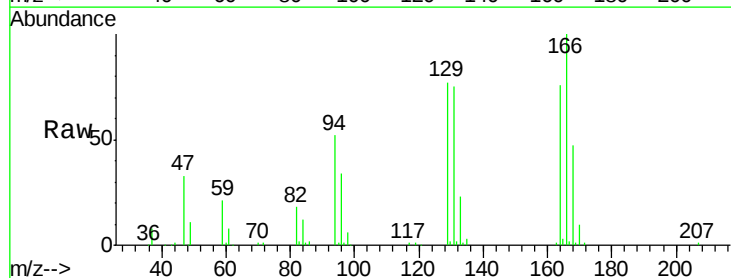
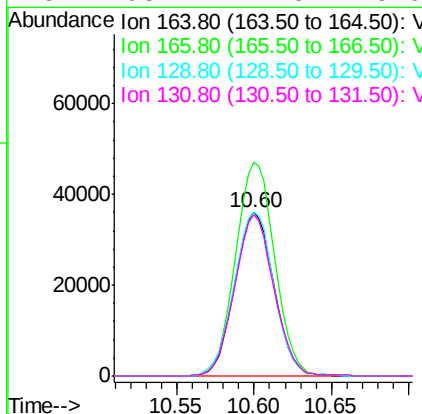
Manual Integrations
APPROVED

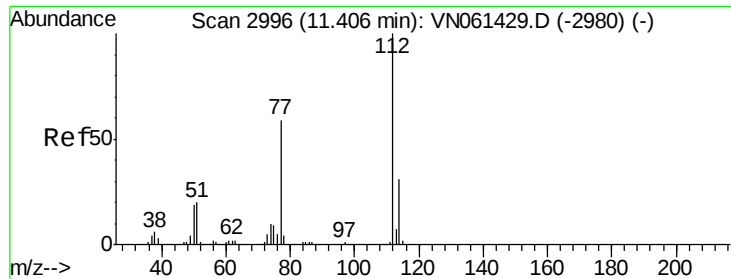
MMDadoda
5/19/2020 4:24:31 PM



#64
Tetrachloroethene
Concen: 17.199 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63440		
166	130.8		103.2	154.8
129	100.6		81.0	121.4
131	98.4		77.3	115.9





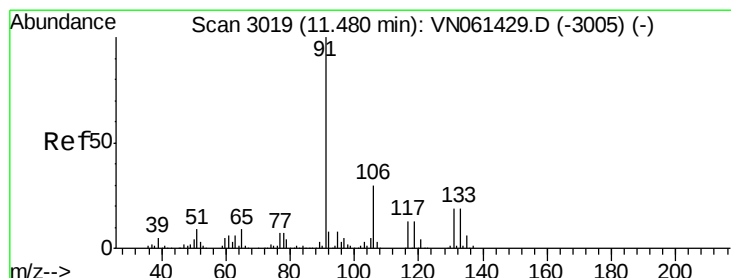
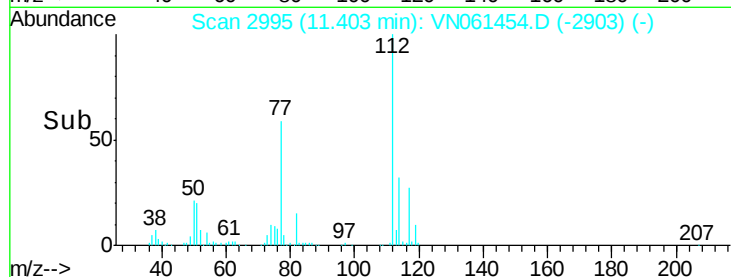
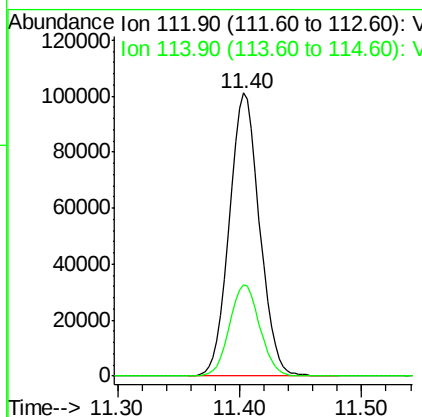
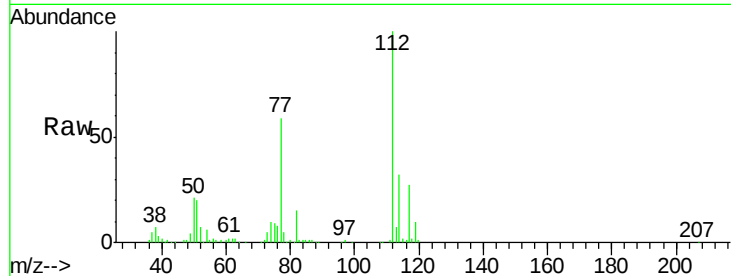
#65
Chlorobenzene
Concen: 18.008 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion:112 Resp: 175088
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

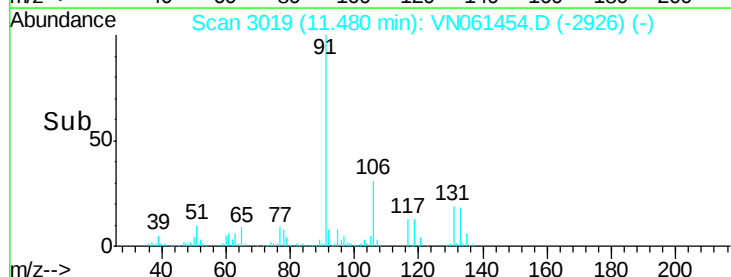
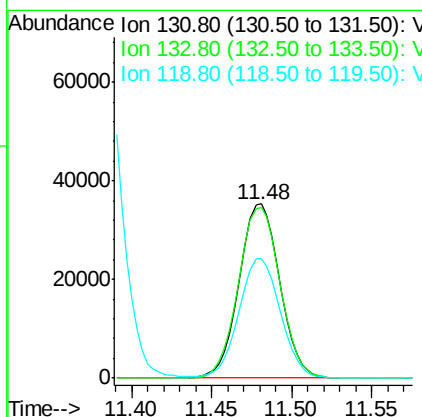
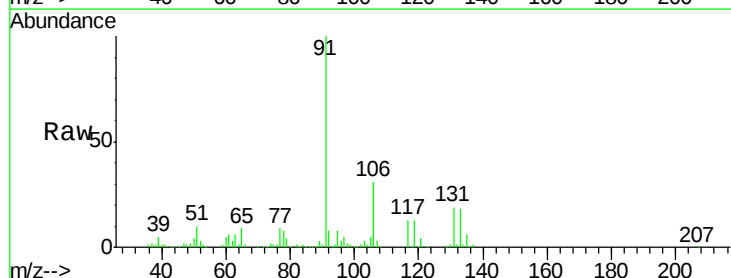
Manual Integrations
APPROVED

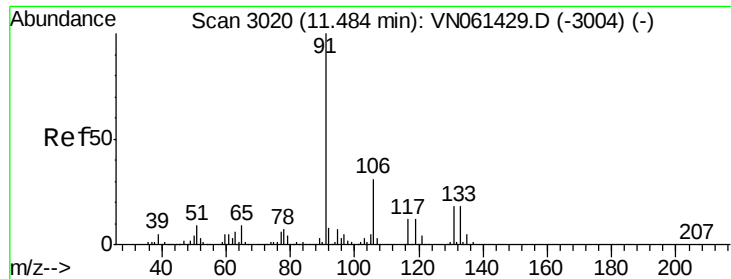
MMDadoda
5/19/2020 4:24:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.505 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion:131 Resp: 61013
Ion Ratio Lower Upper
131 100
133 100.7 48.7 146.1
119 70.5 33.8 101.3





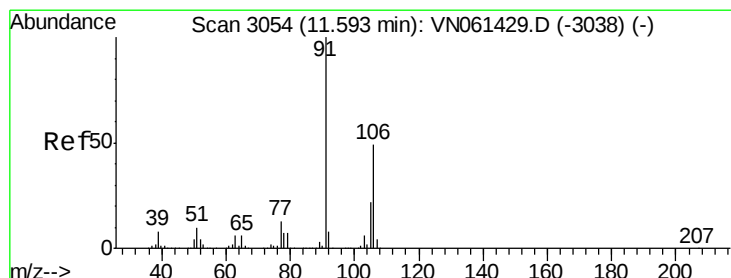
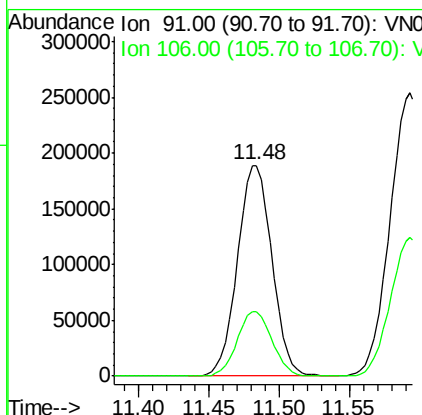
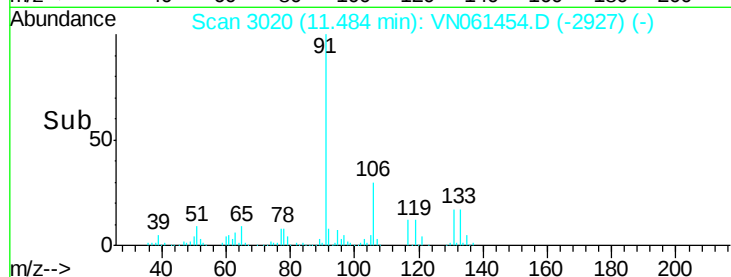
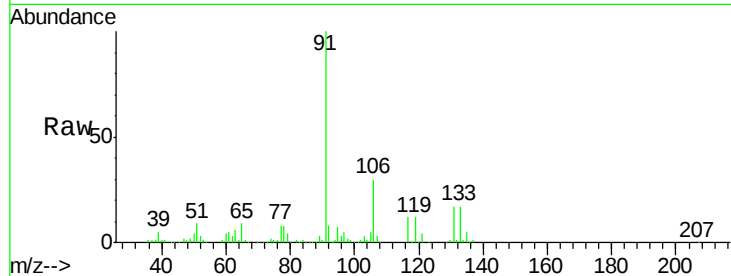
#67
Ethyl Benzene
Concen: 18.242 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.6	36.8

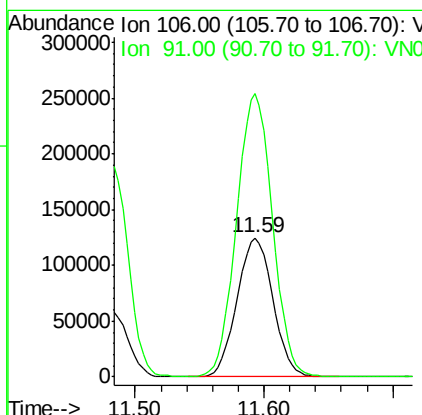
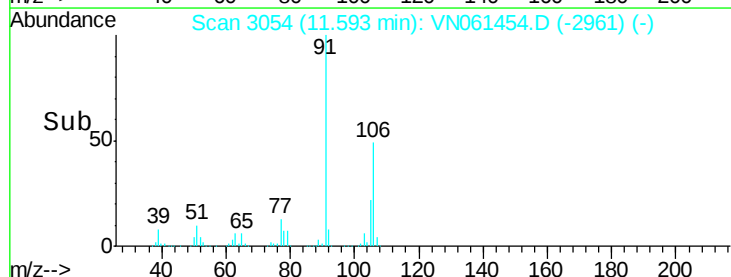
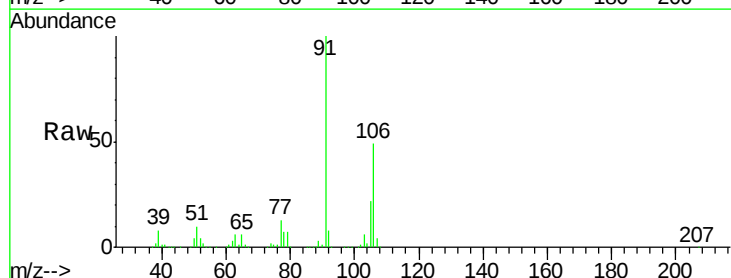
Manual Integrations
APPROVED

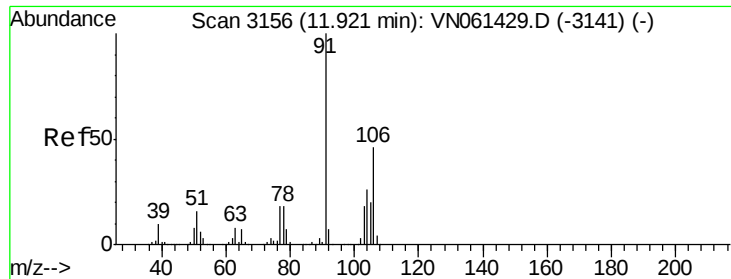
MMDadoda
5/19/2020 4:24:31 PM



#68
m/p-Xylenes
Concen: 35.852 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.6	163.0	244.6





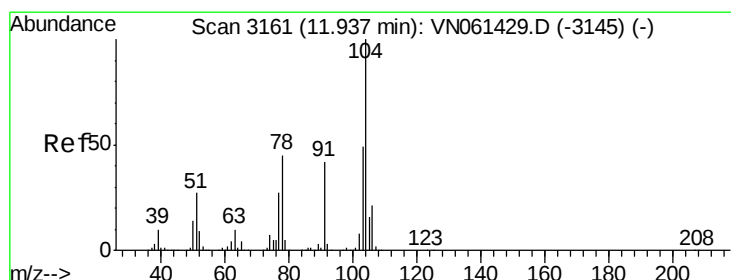
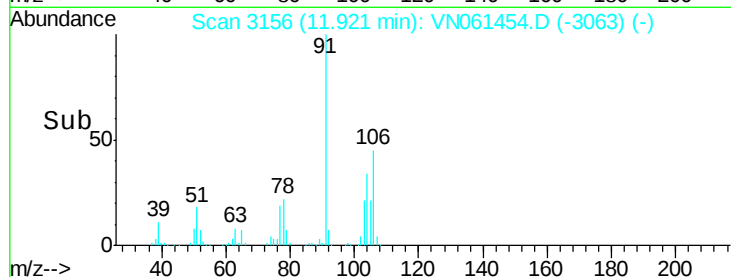
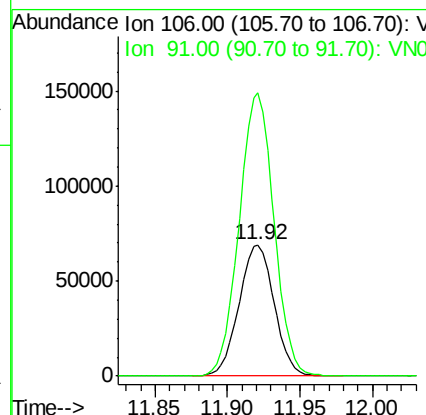
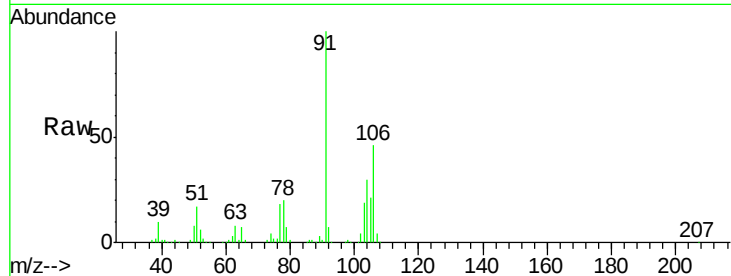
#69
o-Xylene
Concen: 17.873 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.4	107.9	323.7		

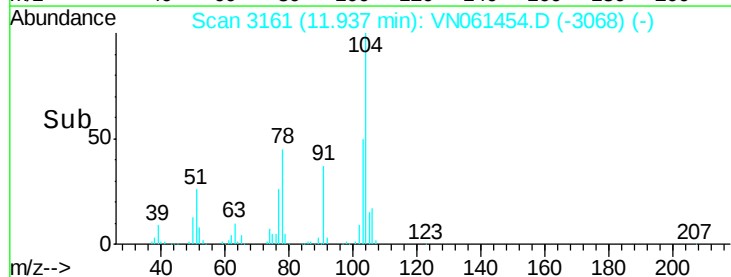
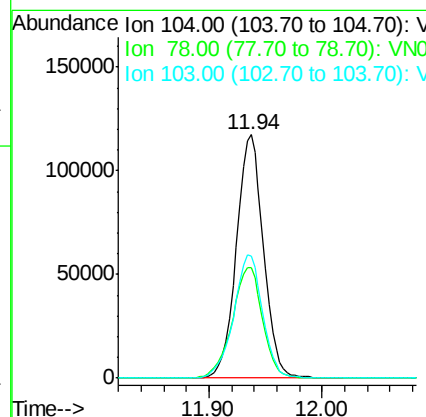
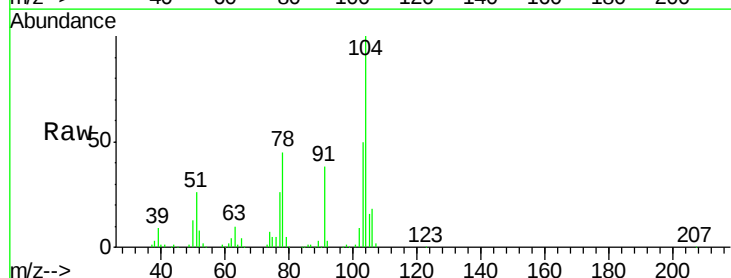
Manual Integrations
APPROVED

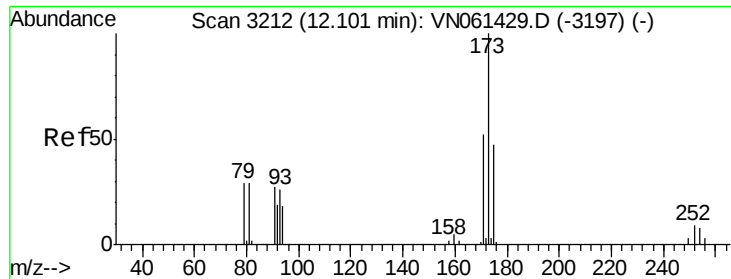
MMDadoda
5/19/2020 4:24:31 PM



#70
Styrene
Concen: 18.062 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.0	40.7	61.1		
103	54.2	43.0	64.4		





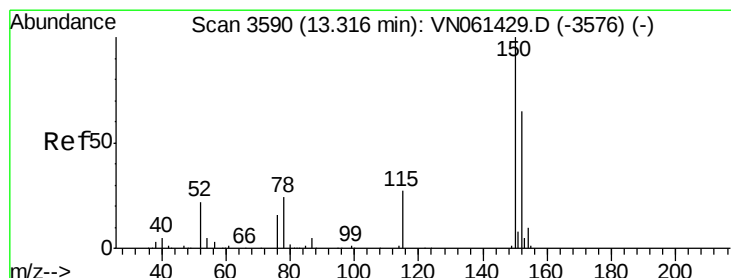
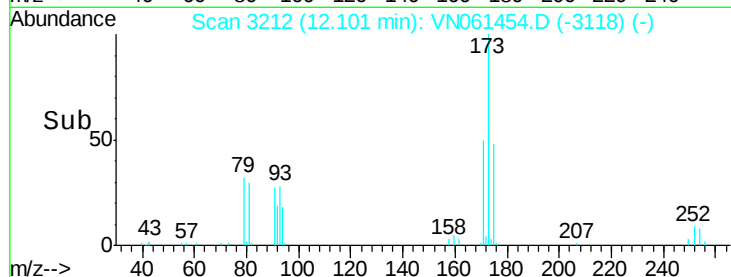
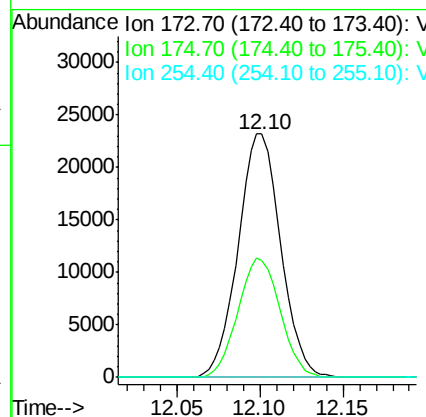
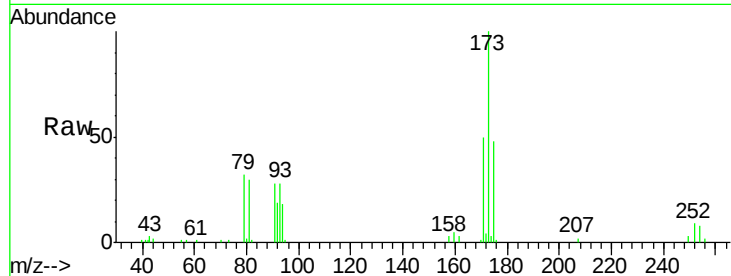
#71
Bromoform
Concen: 16.675 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.9	71.8
254	0.0	0.0	0.0

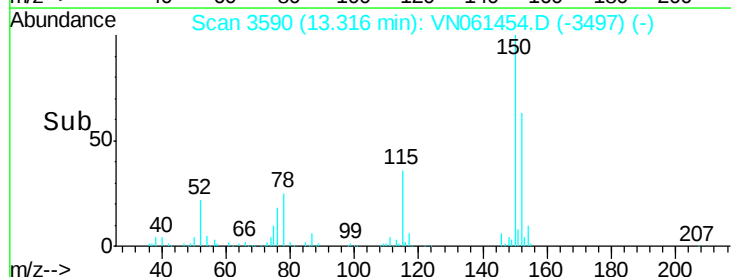
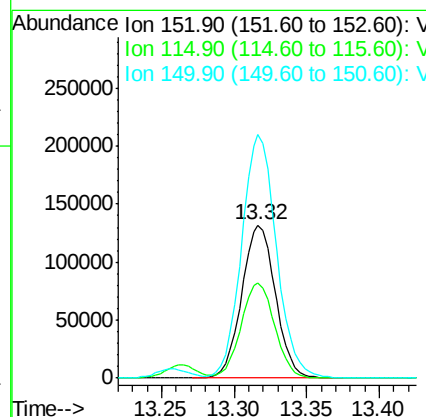
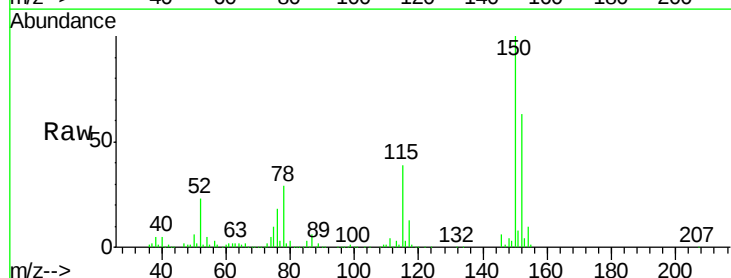
Manual Integrations
APPROVED

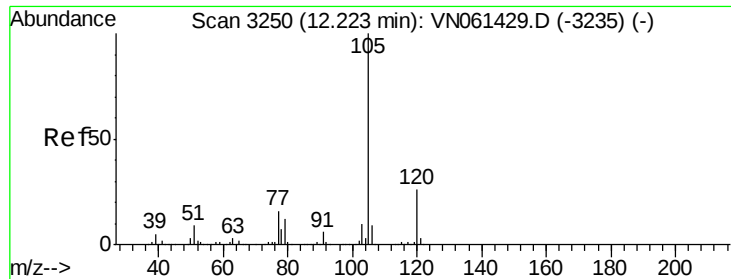
MMDadoda
5/19/2020 4:24:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.9	92.5
150	163.8	0.0	349.2





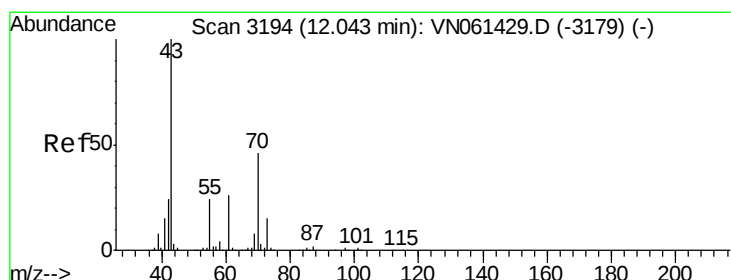
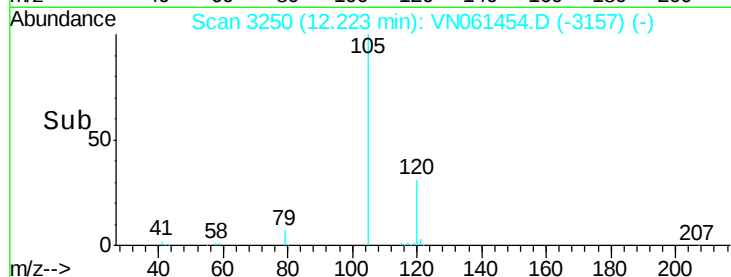
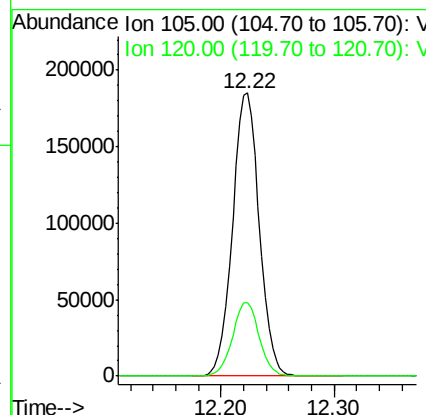
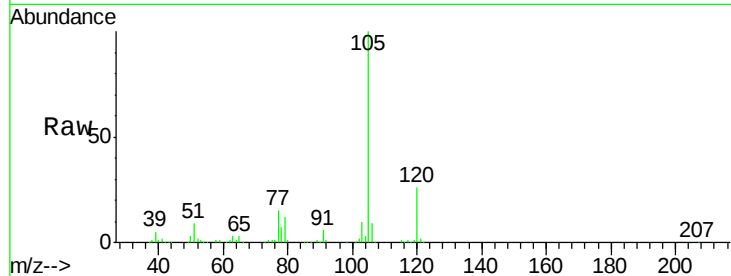
#73
Isopropylbenzene
Concen: 17.754 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	303805		
120	26.0	13.0	39.0	

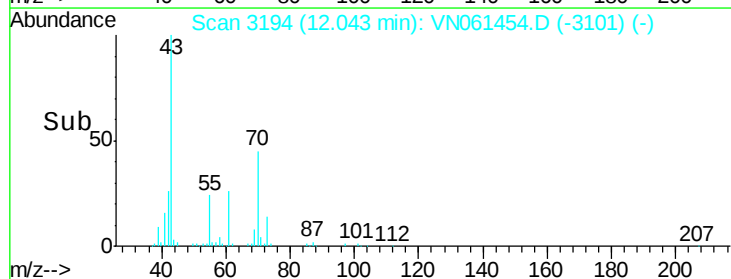
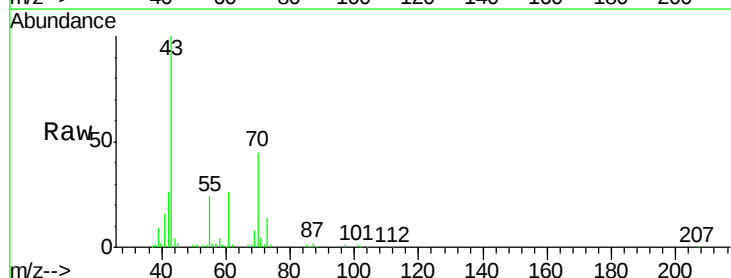
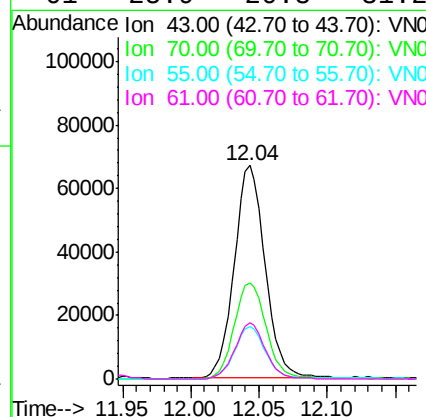
Manual Integrations
APPROVED

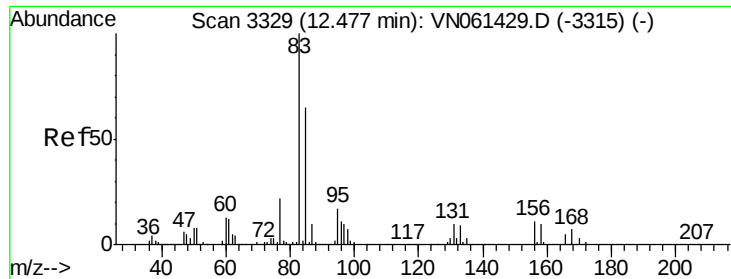
MMDadoda
5/19/2020 4:24:31 PM



#74
N-ethyl acetate
Concen: 16.879 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	105723		
70	47.1	37.0	55.4	
55	24.8	19.5	29.3	
61	25.9	20.8	31.2	





#75

1,1,2,2-Tetrachloroethane

Concen: 17.696 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

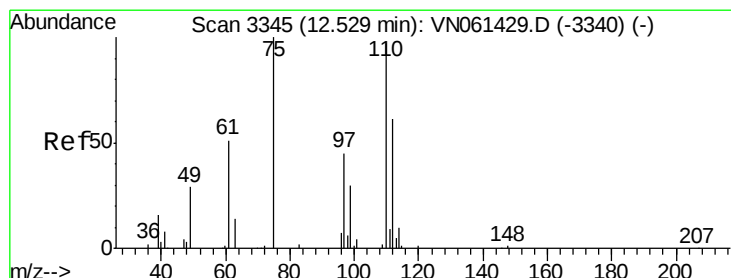
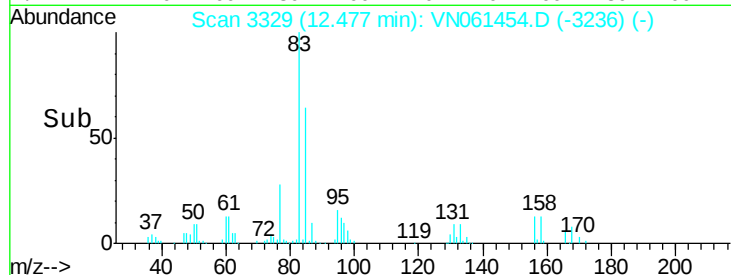
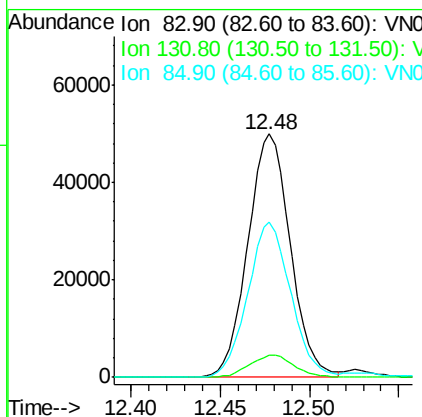
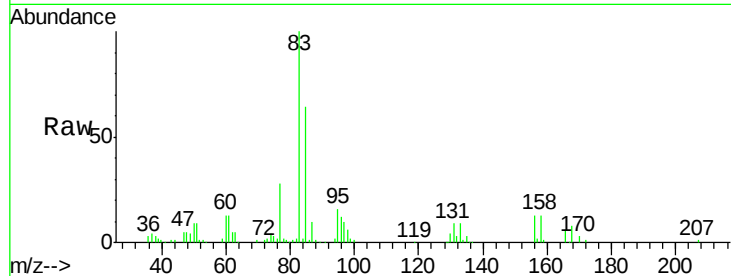
ClientSampleId :

VN0518WBSD02

Tot Ion:	83	Resp:	83311
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.4
85	64.2	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#76

1,2,3-Trichloropropane

Concen: 16.620 ug/l m

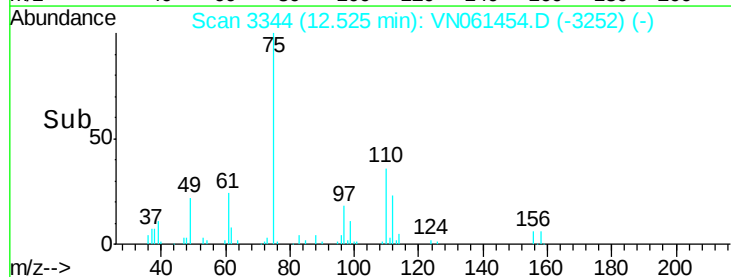
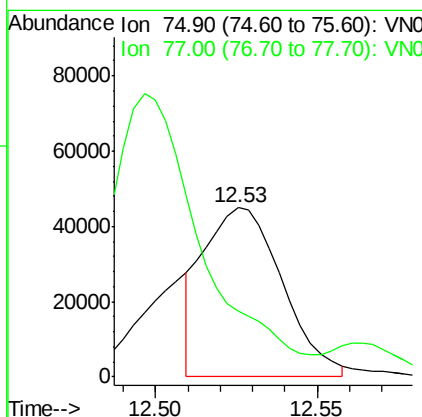
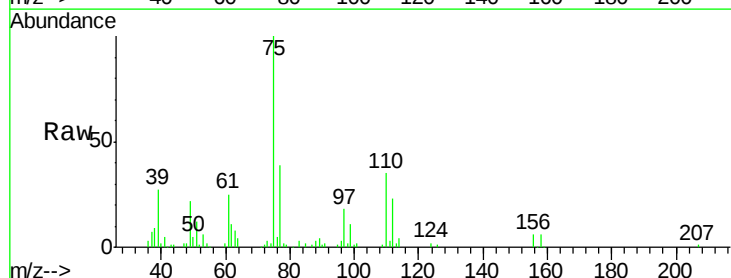
RT: 12.53 min Scan# 3344

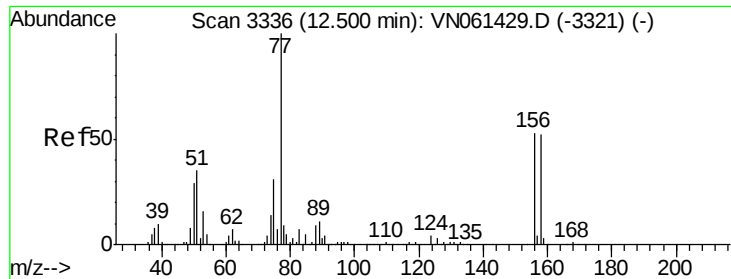
Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion:	75	Resp:	76015
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.527 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

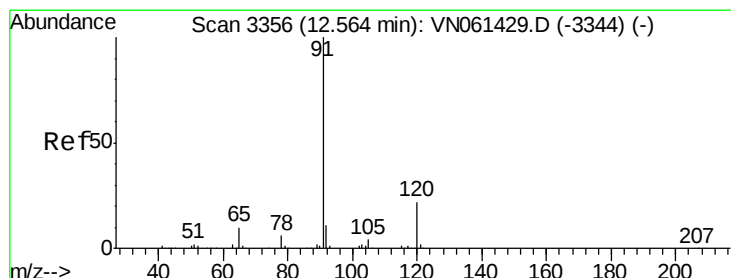
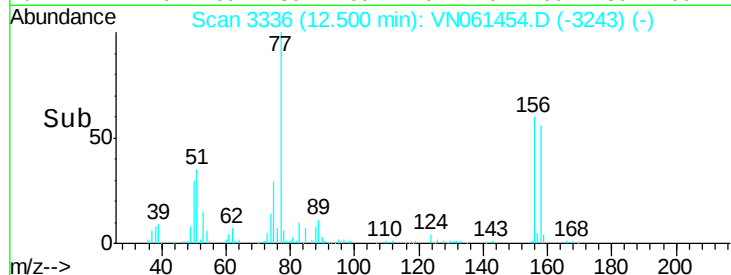
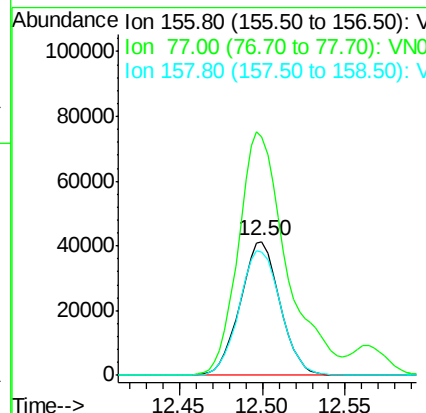
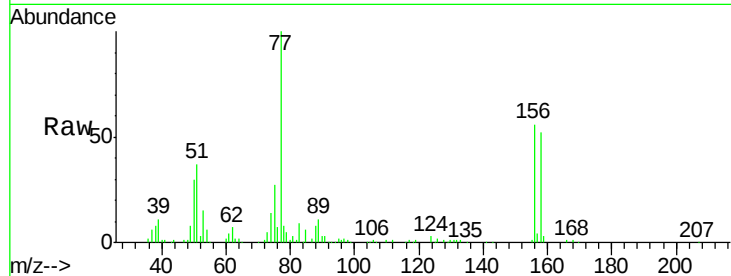
ClientSampleId :

VN0518WBSD02

Tot Ion:	156	Resp:	68801
Ion Ratio	Lower	Upper	
156	100		
77	221.7	112.3	336.9
158	97.5	47.9	143.6

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#78

n-propylbenzene

Concen: 17.480 ug/l

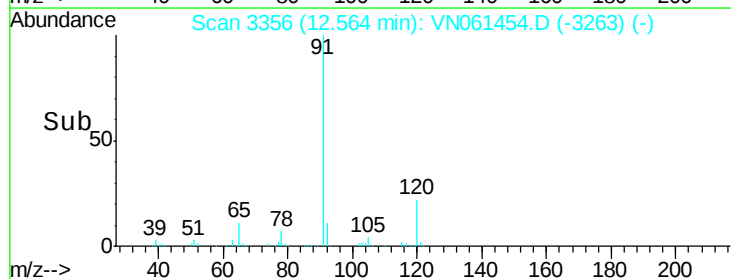
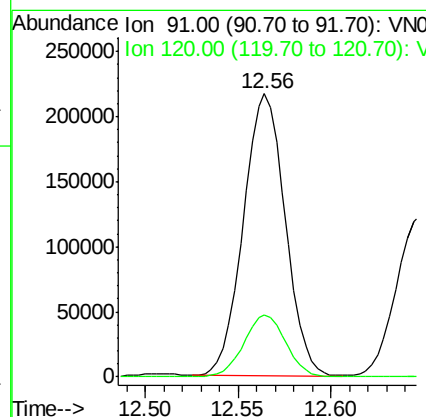
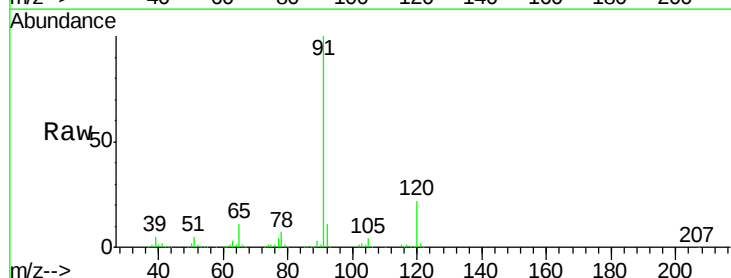
RT: 12.56 min Scan# 3356

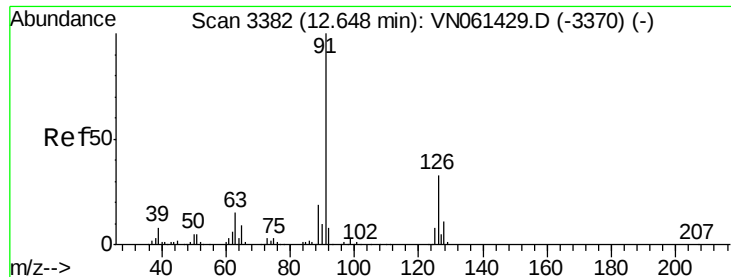
Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion:	91	Resp:	340803
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.6





#79

2-Chlorotoluene

Concen: 17.756 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 91 Resp: 204625

Ion Ratio Lower Upper

91 100

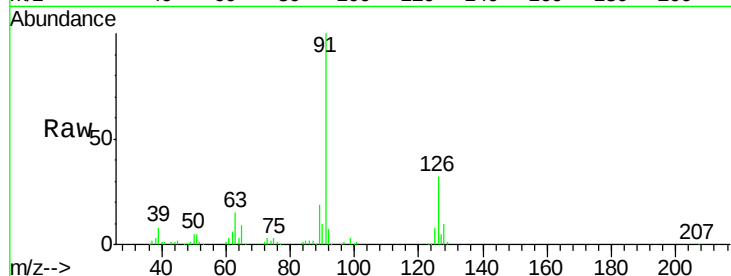
126 33.0 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061454.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061454.D (-3382) (-)

200000

150000

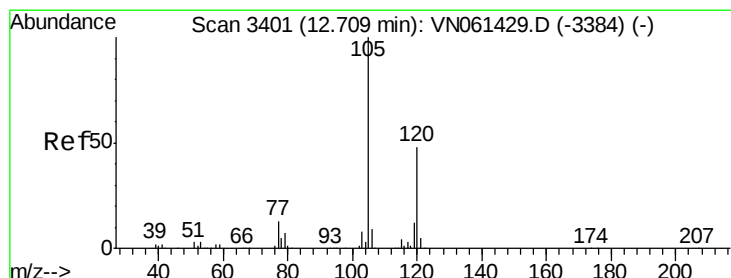
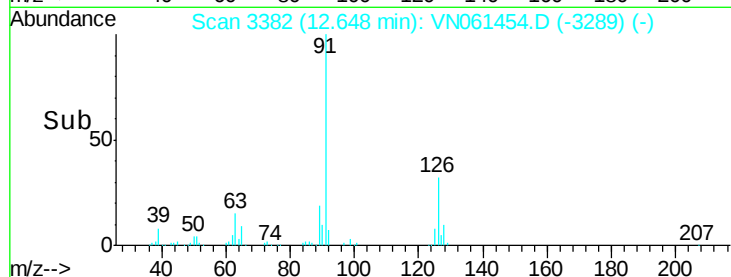
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.536 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061454.D

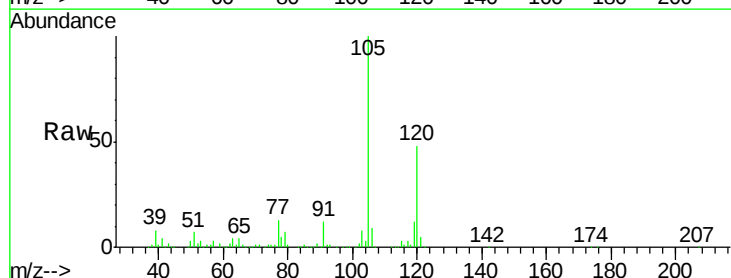
Acq: 19 May 2020 3:02

Tgt Ion: 105 Resp: 245699

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061454.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061454.D (-3401) (-)

150000

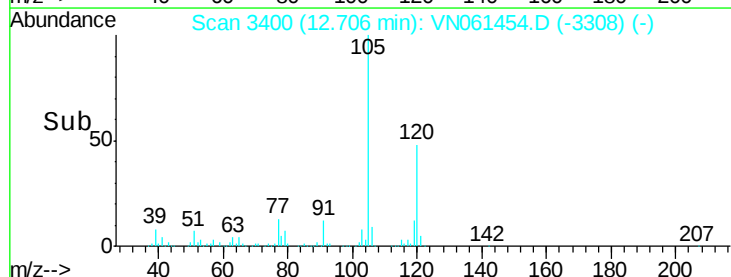
100000

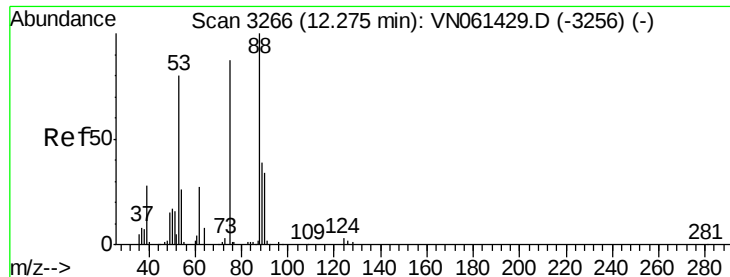
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 14.719 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion: 75 Resp: 25378

Ion Ratio Lower Upper

75 100

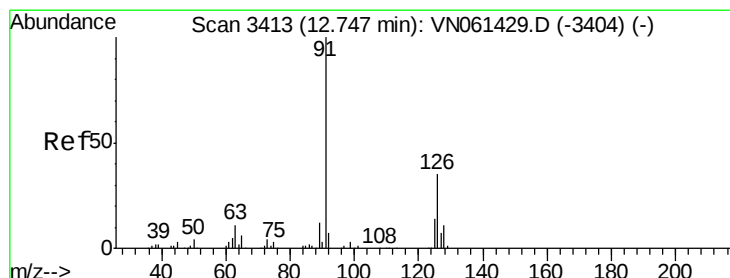
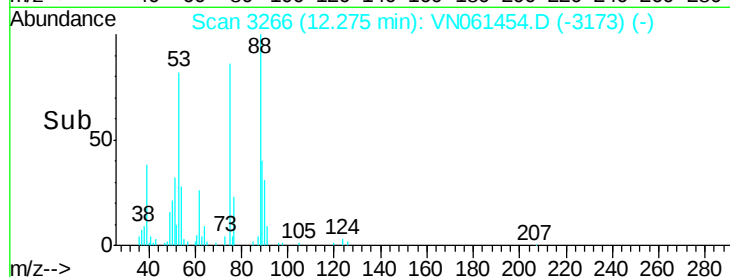
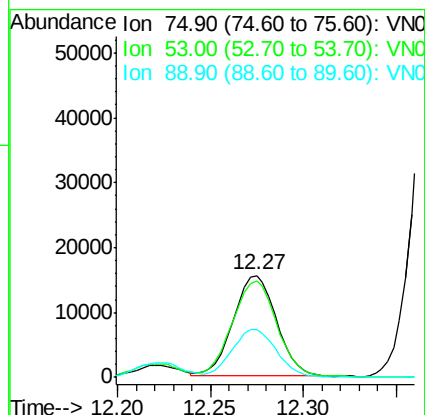
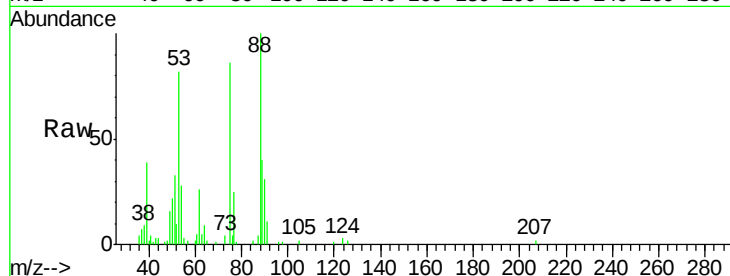
53 100.1 75.2 112.8

89 48.6 38.2 57.4

Manual Integrations
APPROVED

MMDadoda

5/19/2020 4:24:31 PM



#82

4-Chlorotoluene

Concen: 18.116 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061454.D

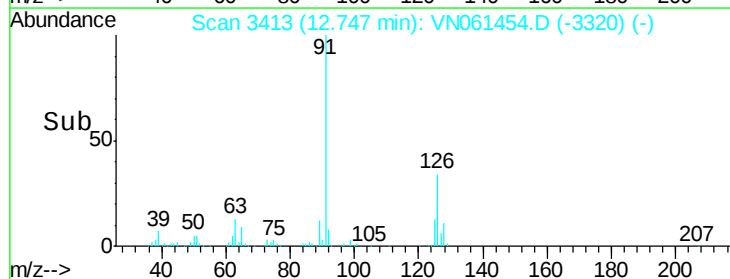
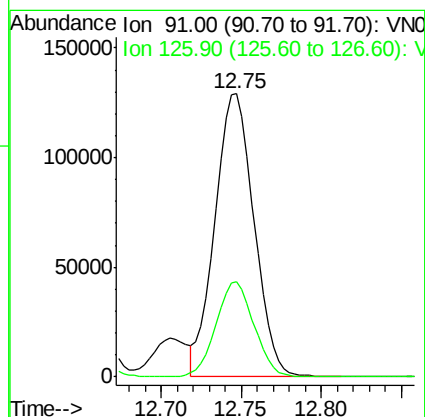
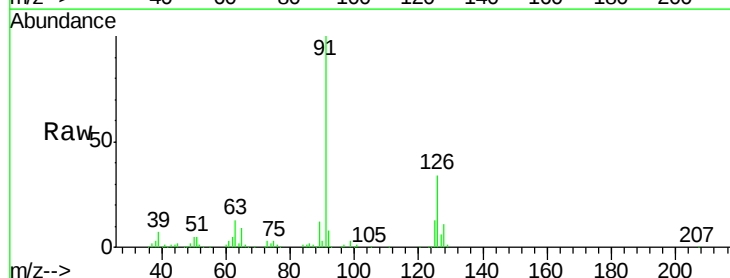
Acq: 19 May 2020 3:02

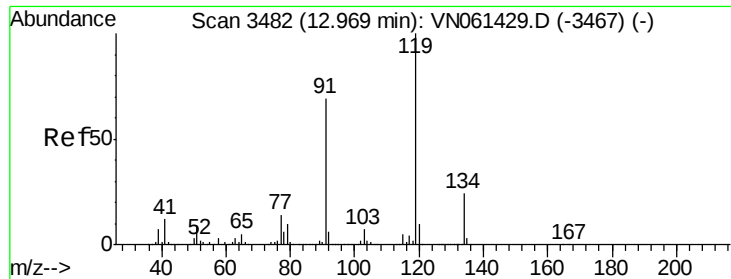
Tgt Ion: 91 Resp: 216174

Ion Ratio Lower Upper

91 100

126 32.9 16.1 48.2





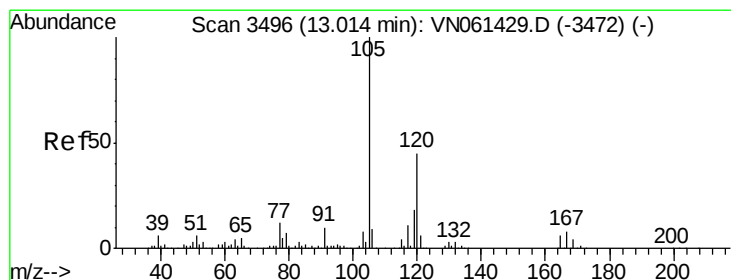
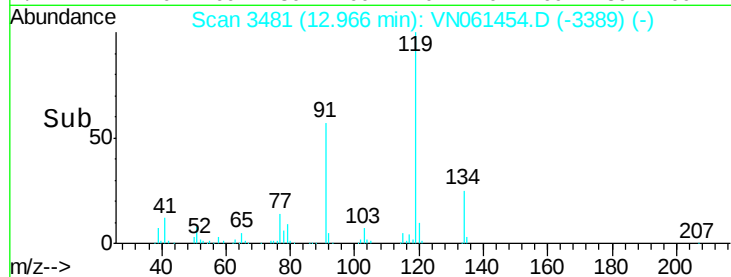
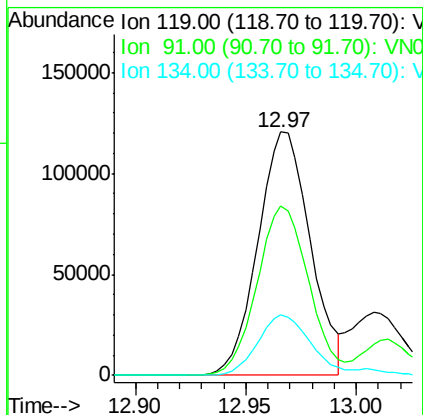
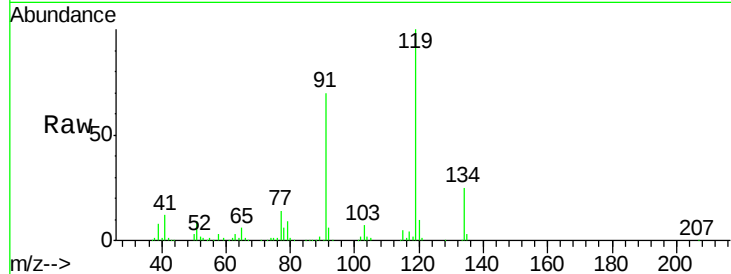
#83
 tert-Butylbenzene
 Concen: 16.585 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	199040		
91	68.3	33.7	101.0	
134	25.0	12.8	38.3	

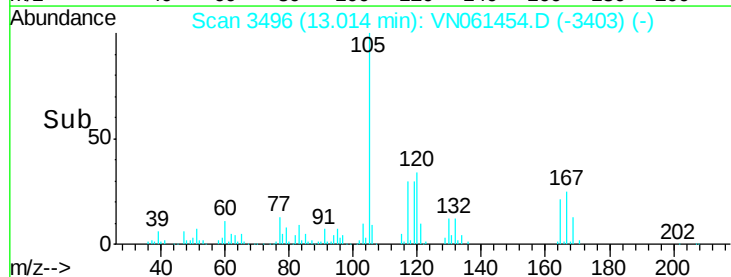
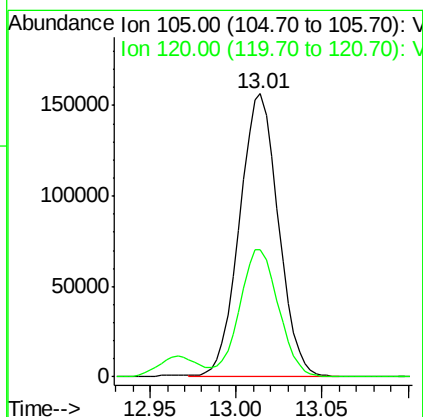
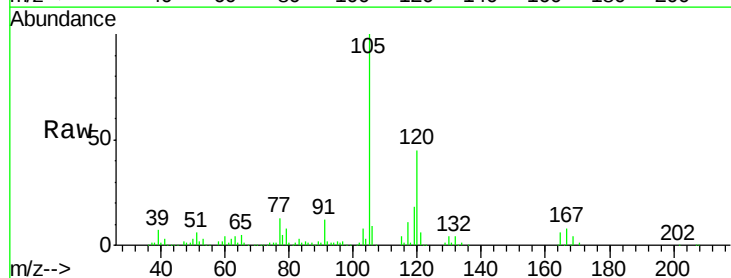
Manual Integrations
 APPROVED

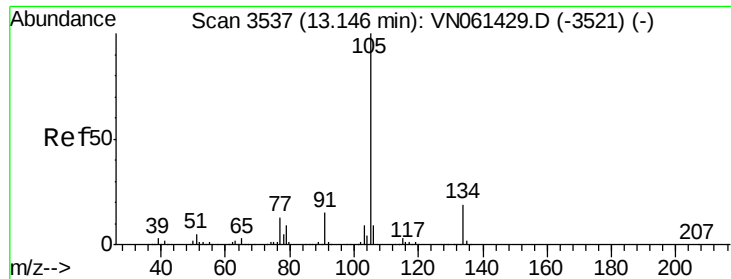
MMDadoda
 5/19/2020 4:24:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.436 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	244483		
120	45.6	22.4	67.3	





#85

sec-Butylbenzene

Concen: 15.939 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD02

Tot Ion:105 Resp: 258660

Ion Ratio Lower Upper

105 100

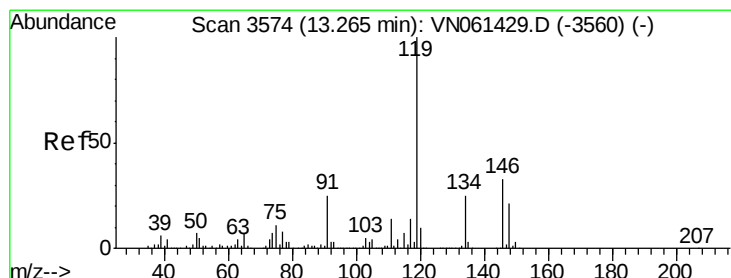
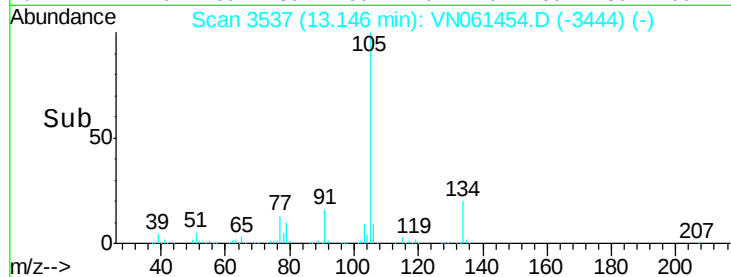
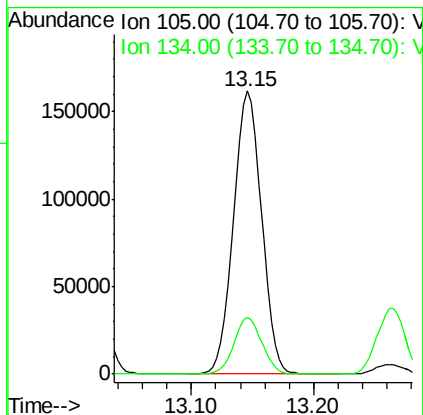
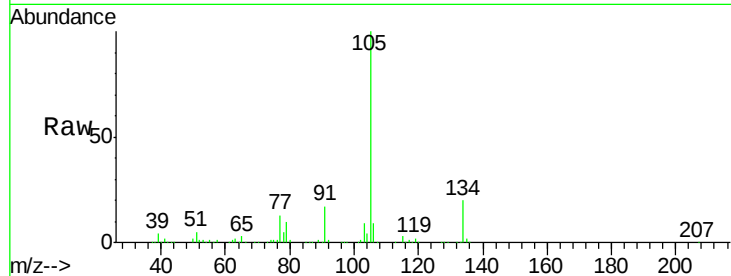
134 19.9 9.8 29.5

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:31 PM



#86

p-Isopropyltoluene

Concen: 16.261 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

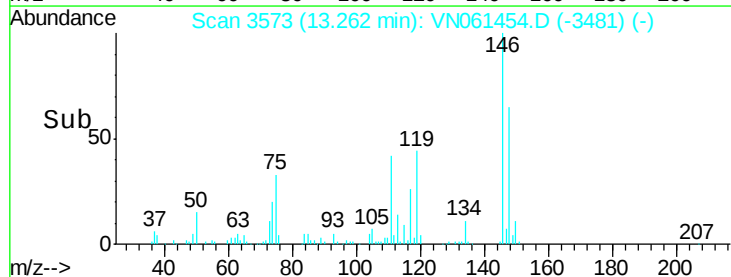
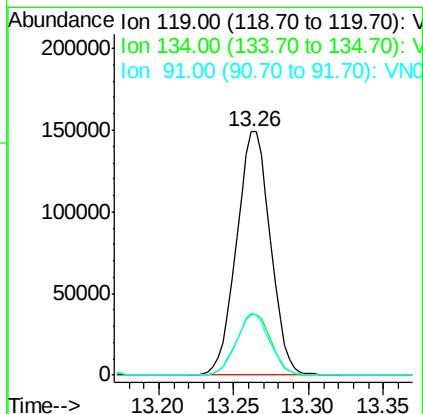
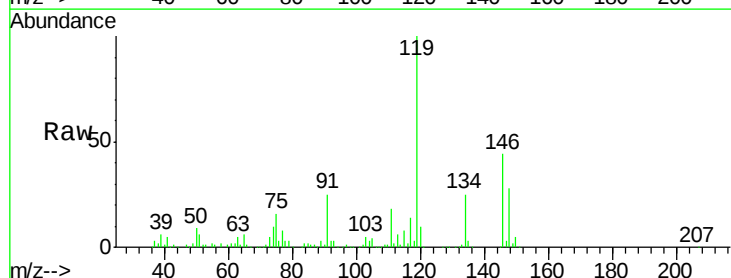
Tgt Ion:119 Resp: 234328

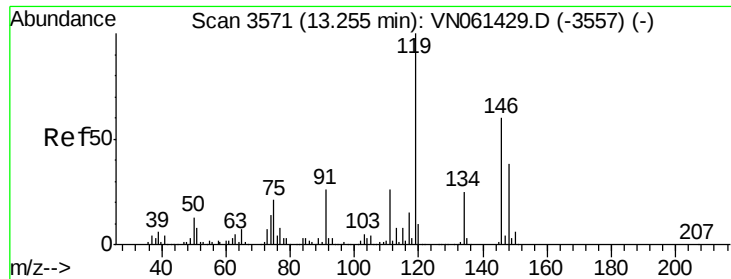
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 24.8 12.6 37.6





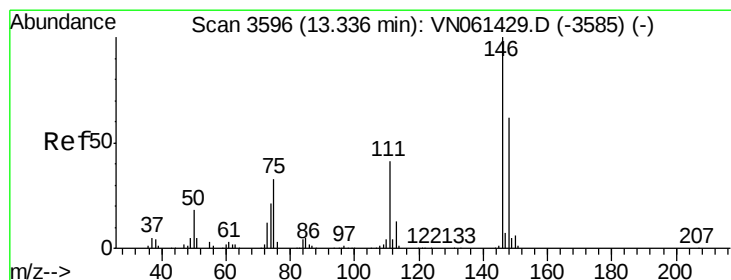
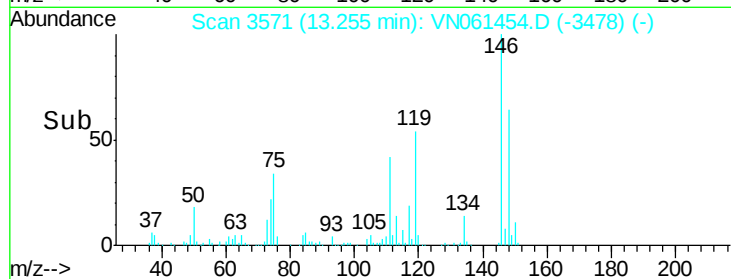
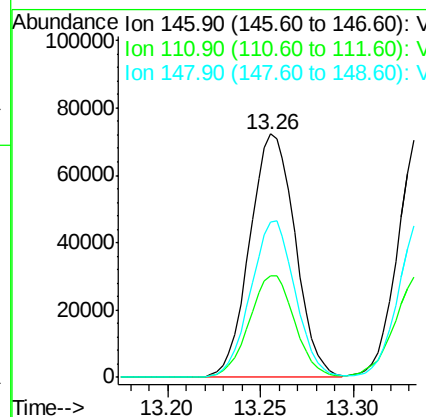
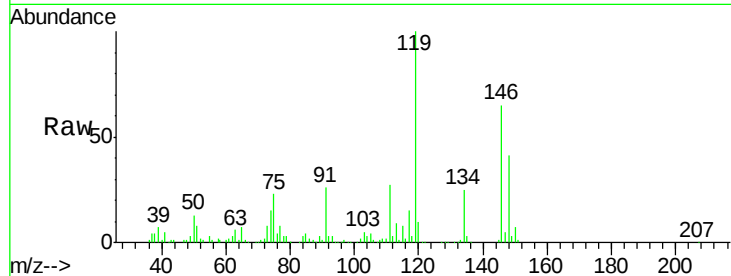
#87
 1,3-Dichlorobenzene
 Concen: 18.086 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122918		
111	42.0	21.5	64.5	
148	62.9	31.8	95.3	

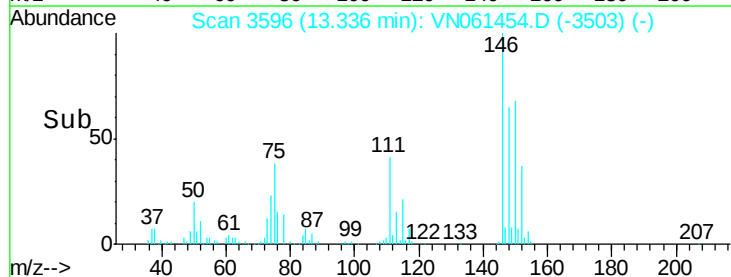
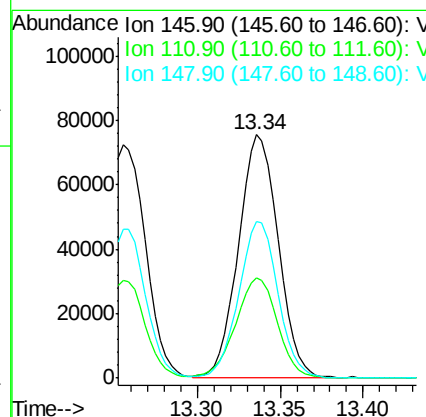
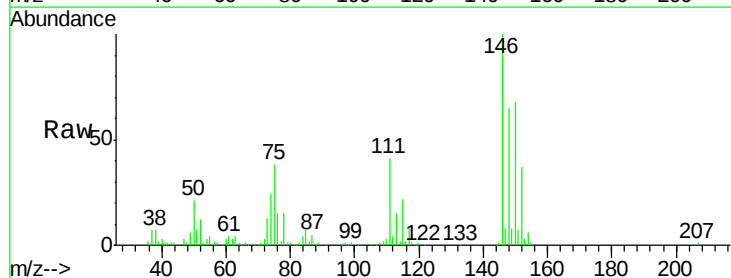
Manual Integrations
 APPROVED

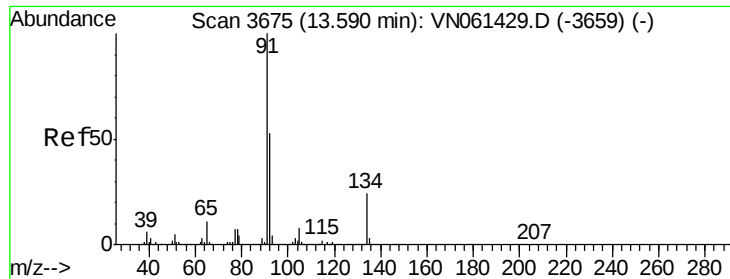
MMDadoda
 5/19/2020 4:24:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.447 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	125561		
111	43.2	20.8	62.5	
148	63.3	31.6	94.8	





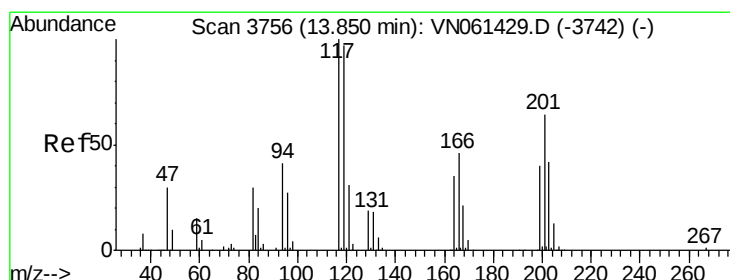
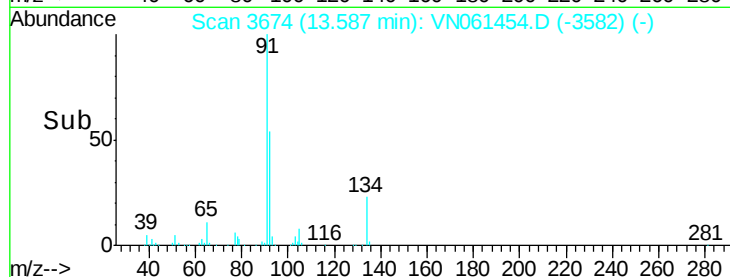
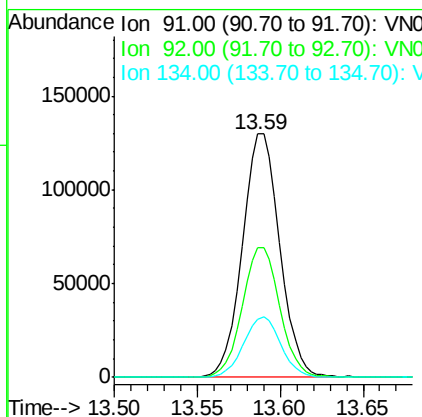
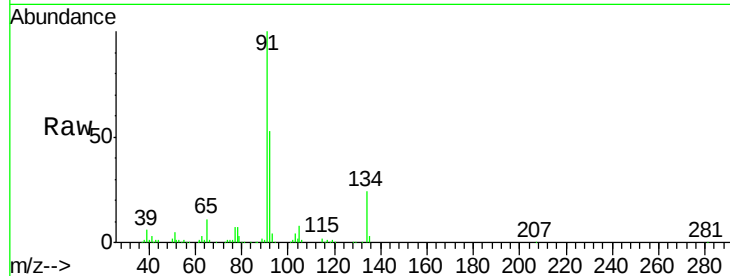
#89
n-Butylbenzene
Concen: 15.533 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	203355		
92	53.7		26.8	80.3
134	24.9		12.4	37.4

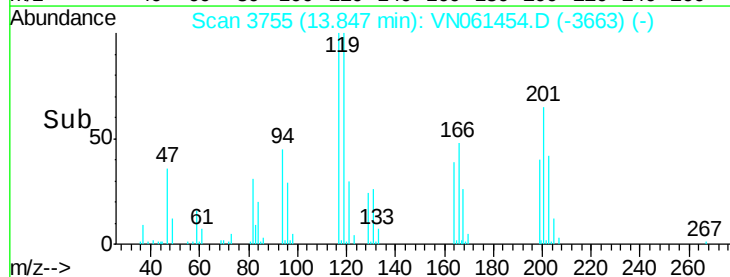
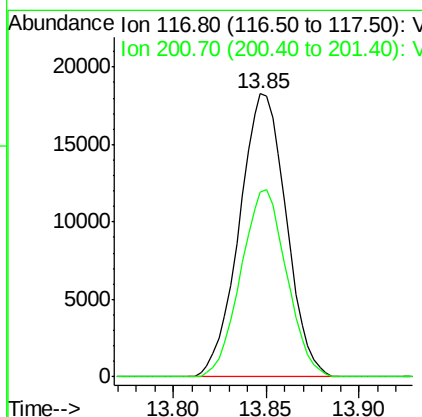
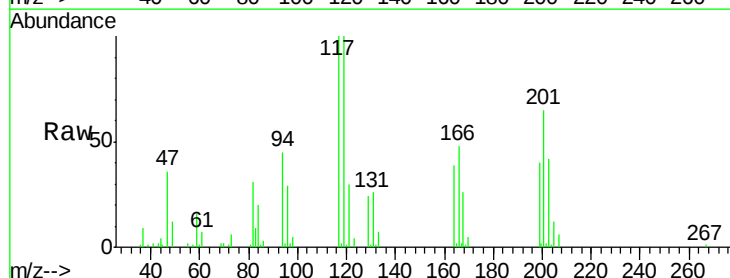
Manual Integrations
APPROVED

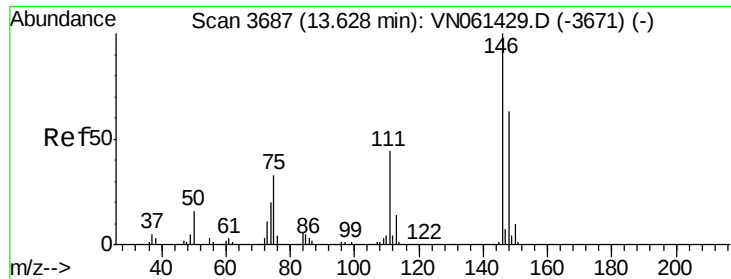
MMDadoda
5/19/2020 4:24:31 PM



#90
Hexachloroethane
Concen: 16.442 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32111		
201	64.4		32.9	98.7





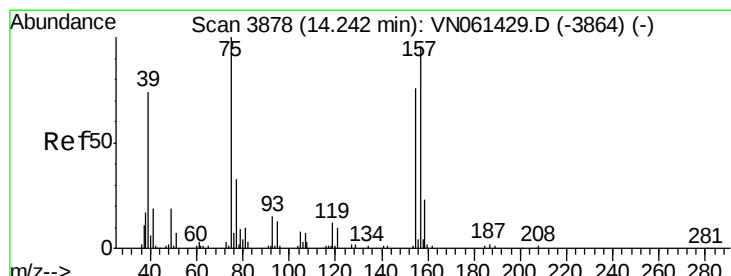
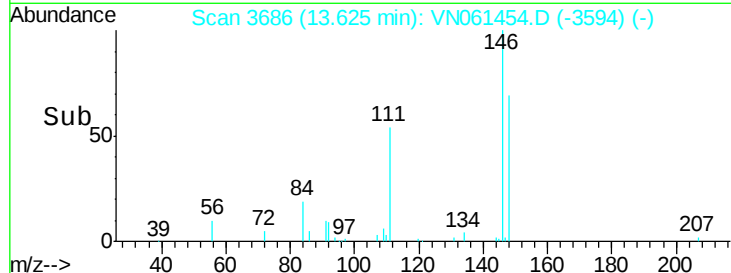
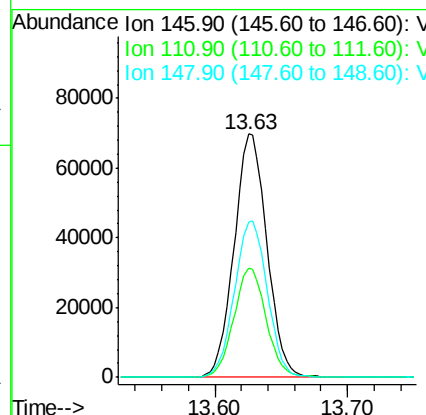
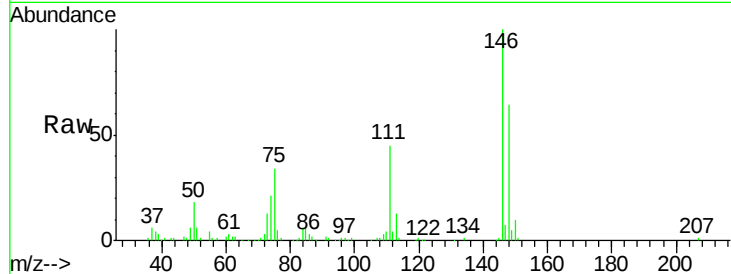
#91
 1,2-Dichlorobenzene
 Concen: 18.406 ug/l
 RT: 13.63 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119995		
111	44.2	21.9	65.7	
148	64.3	31.6	94.7	

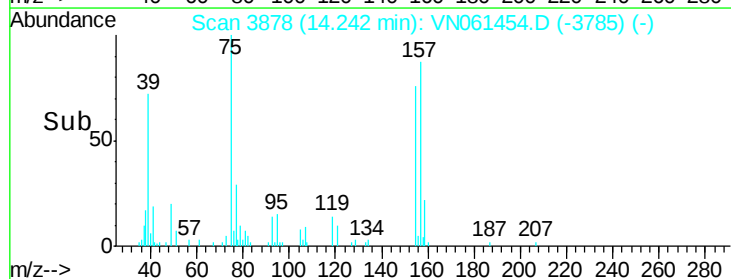
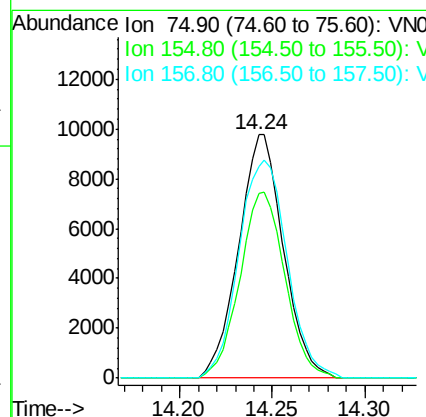
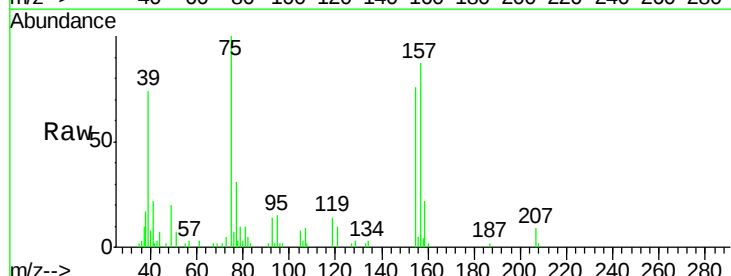
Manual Integrations
 APPROVED

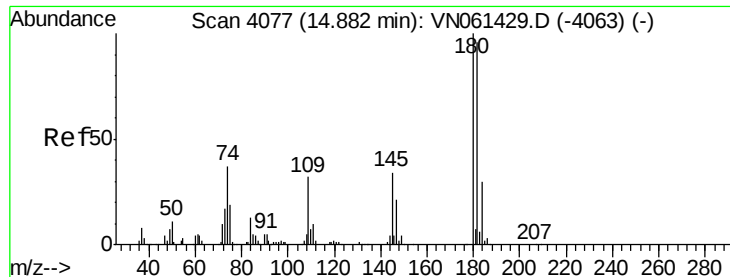
MMDadoda
 5/19/2020 4:24:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.302 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16454		
155	76.7	38.9	116.7	
157	96.8	48.6	145.8	





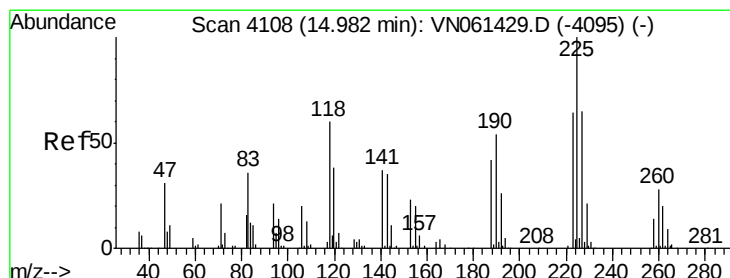
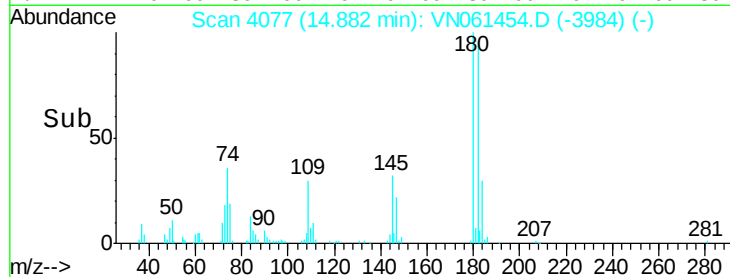
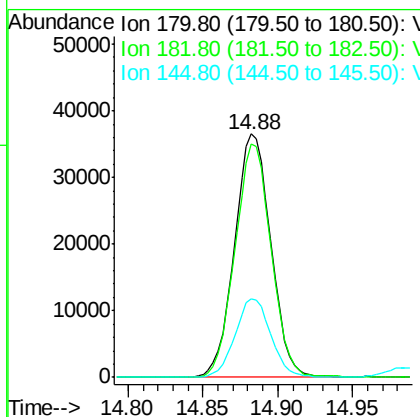
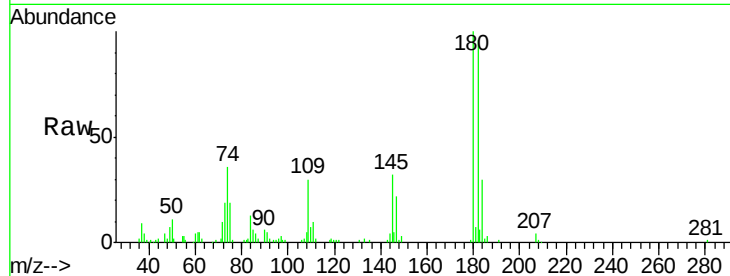
#93
 1,2,4-Trichlorobenzene
 Concen: 17.433 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61626		
182	95.4	47.0	141.0	
145	31.7	16.7	50.0	

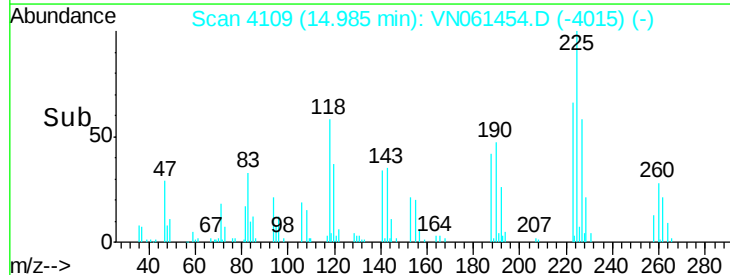
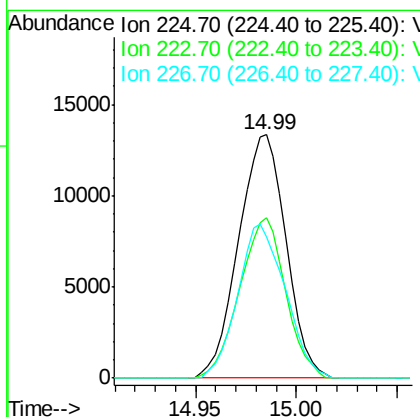
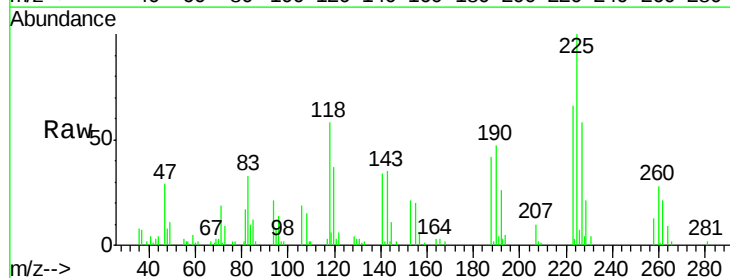
Manual Integrations
 APPROVED

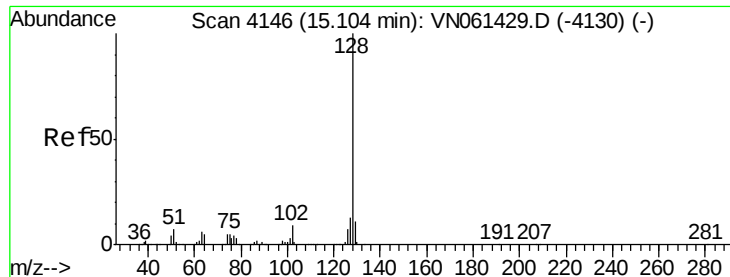
MMDadoda
 5/19/2020 4:24:31 PM



#94
 Hexachlorobutadiene
 Concen: 14.002 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21993		
223	63.5	31.9	95.7	
227	63.1	31.5	94.5	





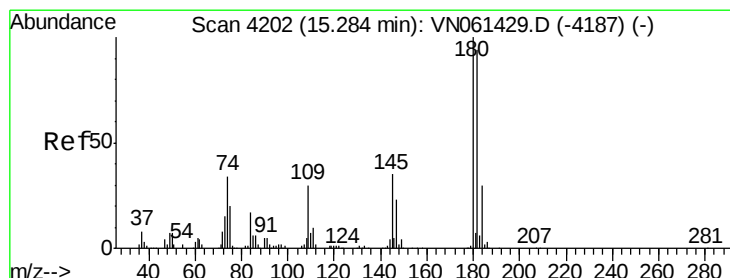
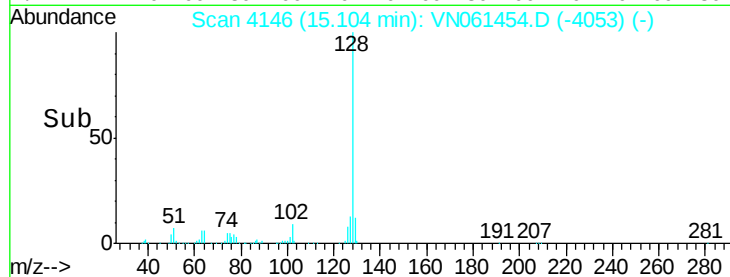
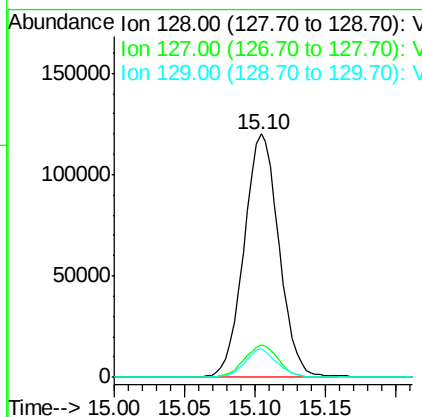
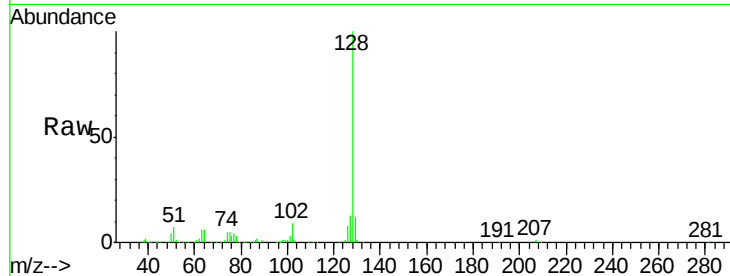
#95
Naphthalene
Concen: 18.544 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.398 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.8	143.3
145	33.3	17.3	51.9

