

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064008.D
 Acq On : 9 Oct 2020 00:04
 Operator : JC/MD
 Sample : VN1008WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:53:04 PM

Quant Time: Oct 09 07:02:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	445955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	212851	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	7.55	113	149600	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.06	98	541088	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.38	95	196035	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44855	15.814	ug/l	99
3) Chloromethane	2.04	50	56922	17.103	ug/l	99
4) Vinyl Chloride	2.16	62	57050	17.076	ug/l	100
5) Bromomethane	2.53	94	37318	17.759	ug/l	98
6) Chloroethane	2.67	64	37660	18.865	ug/l	97
7) Trichlorofluoromethane	2.98	101	91629	17.293	ug/l	95
8) Diethyl Ether	3.37	74	35113	19.595	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49320	17.415	ug/l	97
10) Methyl Iodide	3.91	142	53771	16.352	ug/l	97
11) Tert butyl alcohol	4.73	59	59004	120.341	ug/l	100
12) 1,1-Dichloroethene	3.70	96	47098	17.399	ug/l	99
13) Acrolein	3.57	56	35076	116.561	ug/l	96
14) Allyl chloride	4.28	41	102041	20.291	ug/l	86
15) Acrylonitrile	4.93	53	153718	109.527	ug/l	100
16) Acetone	3.78	43	141174	103.265	ug/l	98
17) Carbon Disulfide	4.01	76	122927	17.267	ug/l	100
18) Methyl Acetate	4.28	43	79149	22.298	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	187334	19.048	ug/l	100
20) Methylene Chloride	4.51	84	61207	19.606	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	52862	17.434	ug/l	95
22) Diisopropyl ether	5.90	45	215244	20.803	ug/l	93
23) Vinyl Acetate	5.85	43	851129	99.305	ug/l	98
24) 1,1-Dichloroethane	5.79	63	113942	19.260	ug/l	98
25) 2-Butanone	6.78	43	218637	112.803	ug/l	98
26) 2,2-Dichloropropane	6.78	77	80951	14.942	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	62989	18.063	ug/l	99
28) Bromochloromethane	7.15	49	55319	18.919	ug/l	96
29) Tetrahydrofuran	7.17	42	148033	113.876	ug/l	97
30) Chloroform	7.33	83	118646	19.234	ug/l	94
31) Cyclohexane	7.62	56	89900	17.437	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	102585	18.438	ug/l	98
36) 1,1-Dichloropropene	7.75	75	77551	17.165	ug/l	99
37) Ethyl Acetate	6.88	43	94292	21.007	ug/l	97
38) Carbon Tetrachloride	7.73	117	87248	17.222	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064008.D
 Acq On : 9 Oct 2020 00:04
 Operator : JC/MD
 Sample : VN1008WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1008WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:53:04 PM

Quant Time: Oct 09 07:02:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	68796	15.269	ug/l	94
40) Benzene	8.00	78	242065	18.758	ug/l	100
41) Methacrylonitrile	7.13	41	38696m	19.397	ug/l	
42) 1,2-Dichloroethane	8.08	62	101548	18.435	ug/l	100
43) Isopropyl Acetate	8.13	43	150248	20.293	ug/l	99
44) Trichloroethene	8.80	130	59860	17.704	ug/l	99
45) 1,2-Dichloropropane	9.08	63	68115	19.545	ug/l	99
46) Dibromomethane	9.17	93	44938	18.692	ug/l	97
47) Bromodichloromethane	9.37	83	94226	19.017	ug/l	99
48) Methyl methacrylate	9.17	41	75020	20.509	ug/l	90
49) 1,4-Dioxane	9.17	88	24391	469.168	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	486511	111.973	ug/l	100
52) Toluene	10.12	92	148984	18.665	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	92396	17.396	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	98904	17.805	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	62142	19.413	ug/l	99
56) Ethyl methacrylate	10.40	69	87219	19.223	ug/l	94
57) 1,3-Dichloropropane	10.68	76	106673	19.698	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	235387	96.985	ug/l	97
59) 2-Hexanone	10.72	43	345256	106.967	ug/l	100
60) Dibromochloromethane	10.87	129	67704	18.162	ug/l	99
61) 1,2-Dibromoethane	10.98	107	62559	19.106	ug/l	98
64) Tetrachloroethene	10.60	164	54775	16.979	ug/l	96
65) Chlorobenzene	11.41	112	155348	18.161	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	62868	19.171	ug/l	100
67) Ethyl Benzene	11.49	91	278482	17.892	ug/l	99
68) m/p-Xylenes	11.59	106	203503	35.081	ug/l	100
69) o-Xylene	11.92	106	96569	17.811	ug/l	99
70) Styrene	11.94	104	164771	17.903	ug/l	100
71) Bromoform	12.10	173	46663	18.606	ug/l #	99
73) Isopropylbenzene	12.22	105	256058	18.650	ug/l	99
74) N-amyl acetate	12.05	43	123821	20.759	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	90107	21.462	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	84229m	20.299	ug/l	
77) Bromobenzene	12.50	156	66546	19.753	ug/l	97
78) n-propylbenzene	12.57	91	287995	18.023	ug/l	100
79) 2-Chlorotoluene	12.65	91	183812	18.704	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	214684	18.638	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	25680	17.824	ug/l	94
82) 4-Chlorotoluene	12.75	91	187043	18.334	ug/l	98
83) tert-Butylbenzene	12.97	119	171750	18.229	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	217325	18.897	ug/l	99
85) sec-Butylbenzene	13.15	105	225829	18.248	ug/l	100
86) p-Isopropyltoluene	13.26	119	194154	17.734	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	108969	17.879	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	113065	17.816	ug/l	99
89) n-Butylbenzene	13.59	91	154309	15.271	ug/l	99
90) Hexachloroethane	13.85	117	38854	18.315	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	111546	18.477	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18201	18.485	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
Data File : VN064008.D
Acq On : 9 Oct 2020 00:04
Operator : JC/MD
Sample : VN1008WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM

Quant Time: Oct 09 07:02:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	45256	15.044	ug/l	99
94) Hexachlorobutadiene	14.98	225	28961	17.737	ug/l	96
95) Naphthalene	15.10	128	137787	14.968	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	46707	15.778	ug/l	97

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

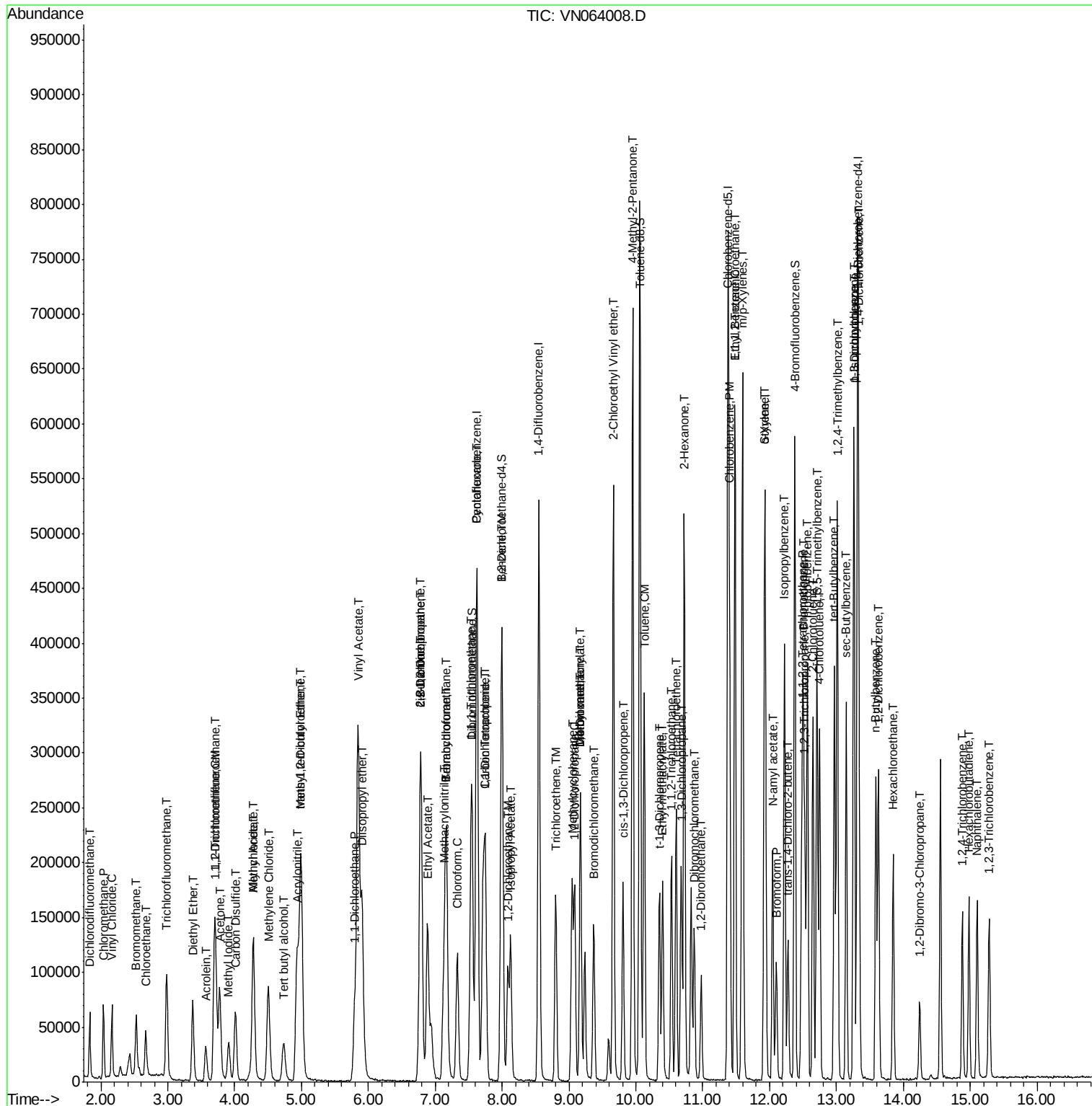
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
Data File : VN064008.D
Acq On : 9 Oct 2020 00:04
Operator : JC/MD
Sample : VN1008WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 35 Sample Multiplier: 1

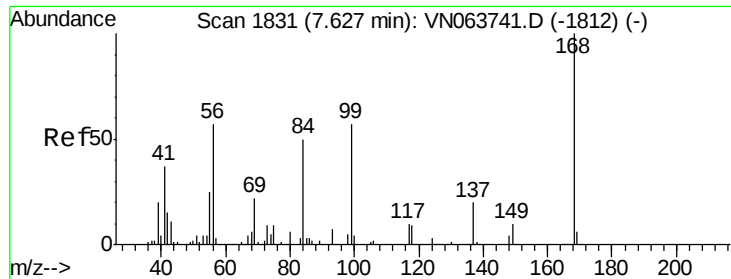
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM

Quant Time: Oct 09 07:02:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion:168 Resp: 268818

Ion Ratio Lower Upper

168 100

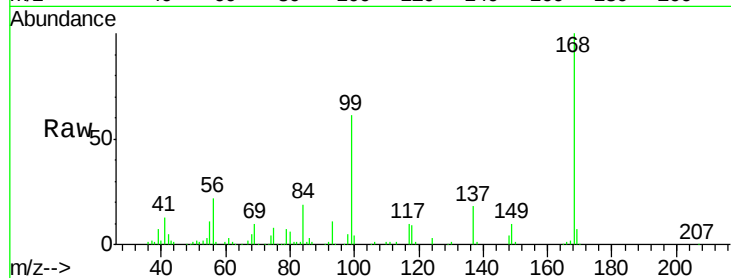
99 60.6 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/9/2020 4:53:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

60000

40000

20000

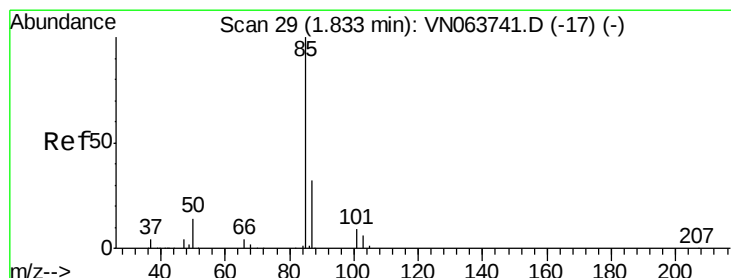
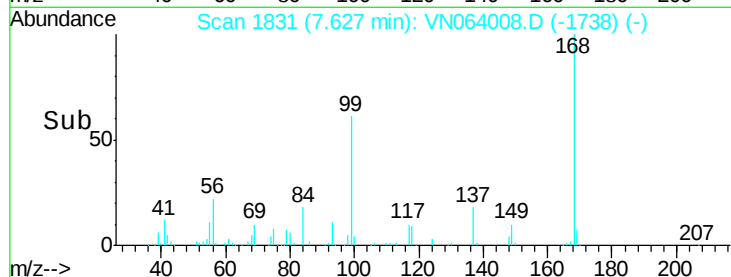
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.814 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064008.D

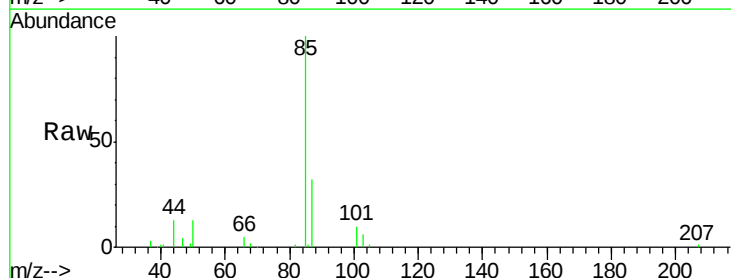
Acq: 9 Oct 2020 00:04

Tgt Ion: 85 Resp: 44855

Ion Ratio Lower Upper

85 100

87 31.6 16.0 48.0



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

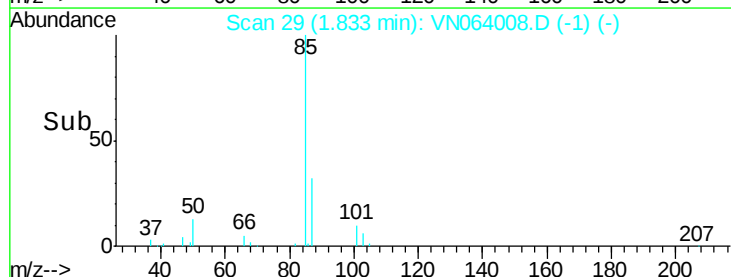
1.75

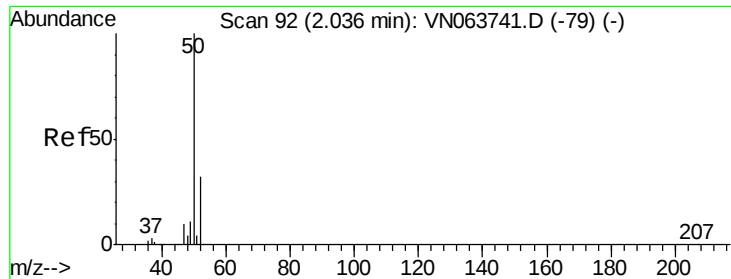
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.103 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion: 50 Resp: 56922

Ion Ratio Lower Upper

50 100

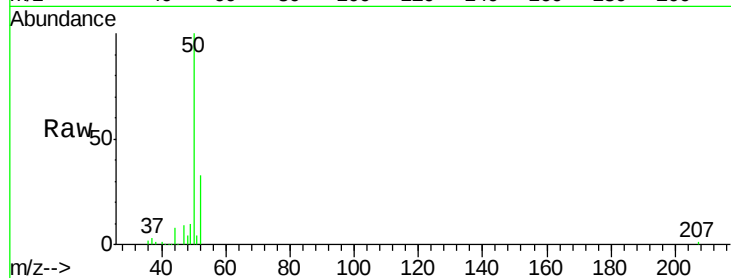
52 33.0 25.8 38.8

Manual Integrations

APPROVED

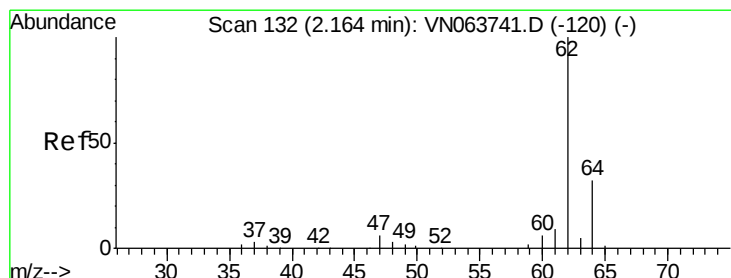
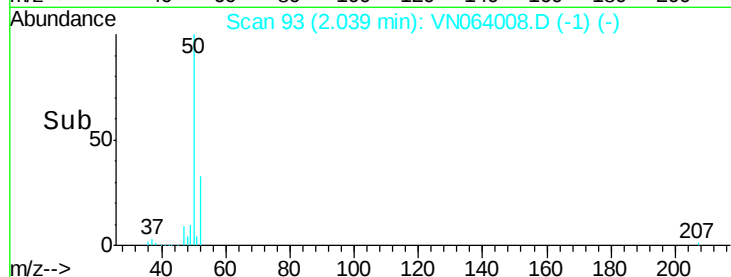
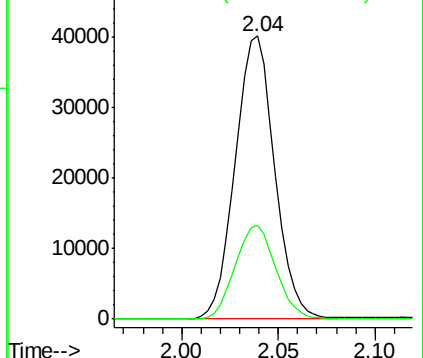
MMDadoda

10/9/2020 4:53:04 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.076 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064008.D

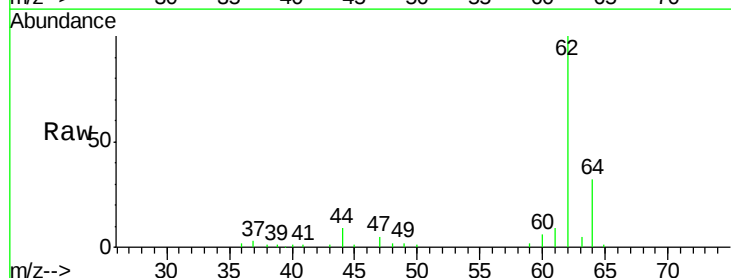
Acq: 9 Oct 2020 00:04

Tgt Ion: 62 Resp: 57050

Ion Ratio Lower Upper

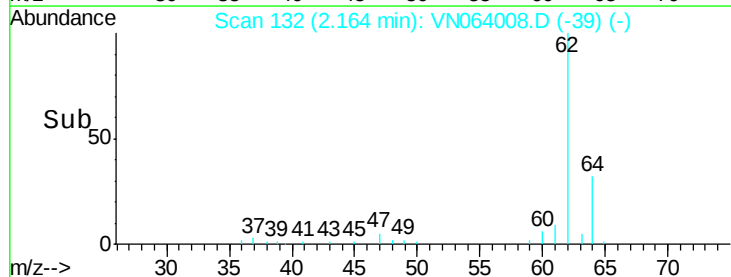
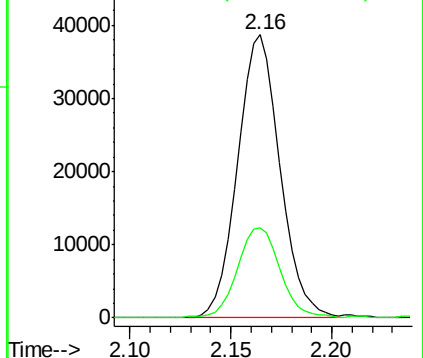
62 100

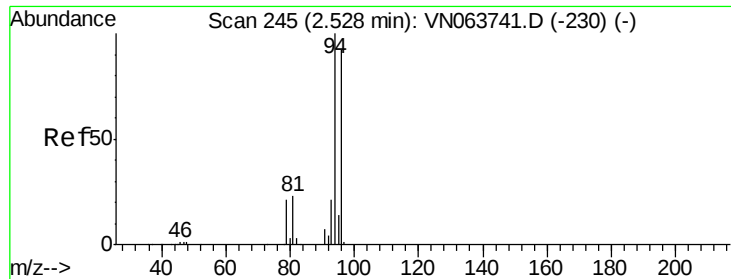
64 31.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.759 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion: 94 Resp: 37318

Ion Ratio Lower Upper

94 100

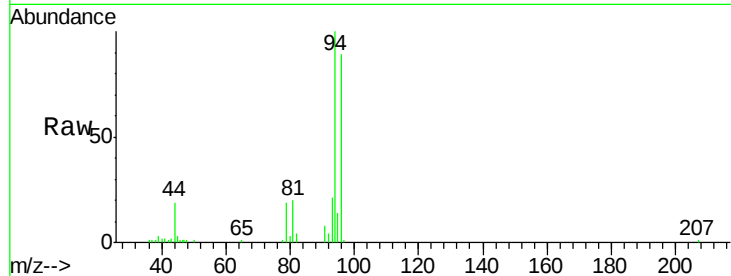
96 89.3 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

10/9/2020 4:53:04 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.53

20000

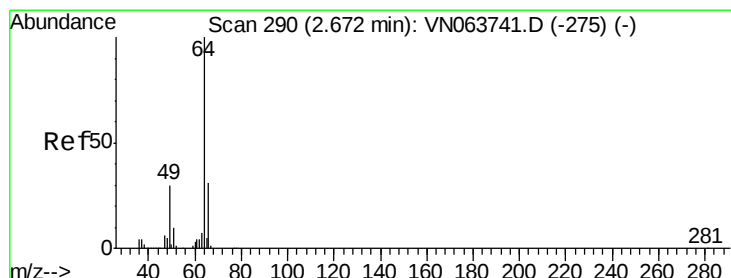
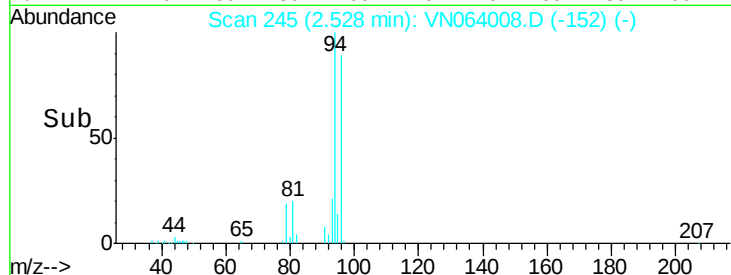
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.865 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064008.D

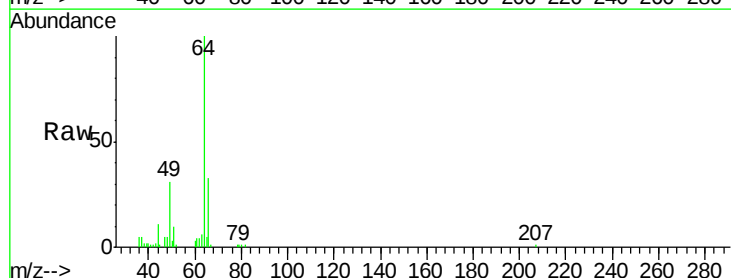
Acq: 9 Oct 2020 00:04

Tgt Ion: 64 Resp: 37660

Ion Ratio Lower Upper

64 100

66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.67

20000

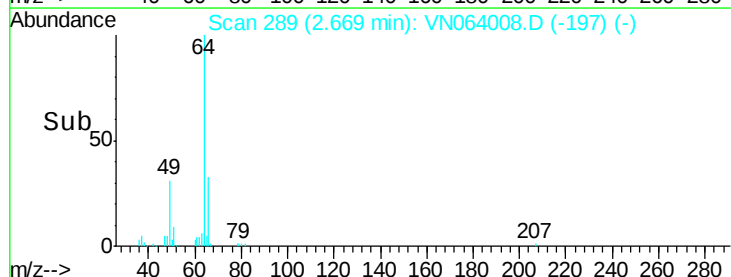
15000

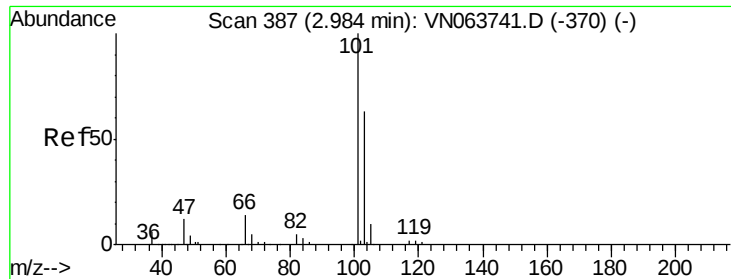
10000

5000

0

Time-->





#7

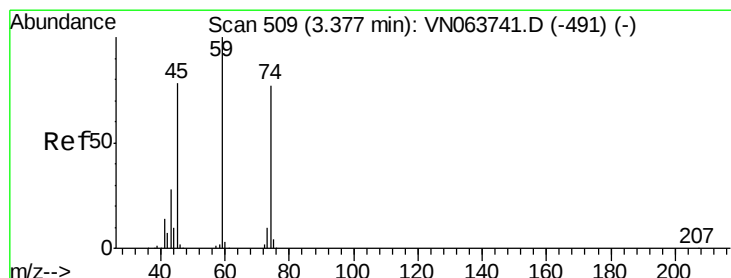
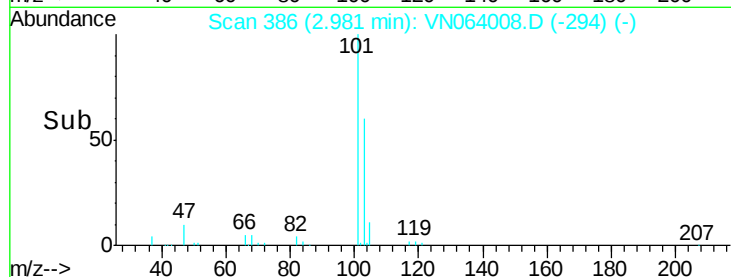
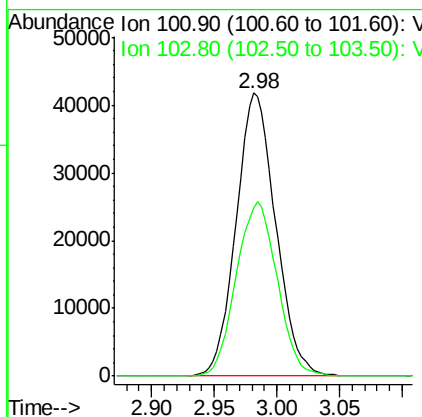
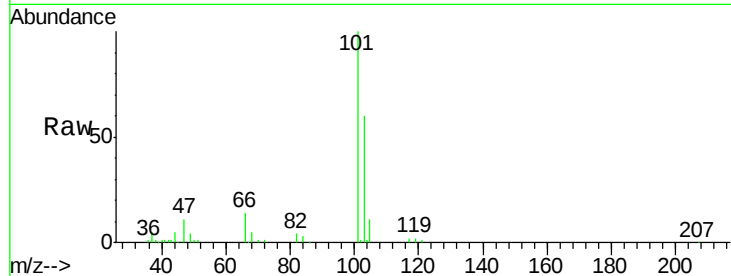
Trichlorofluoromethane
 Concen: 17.293 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.6	50.7	76.1

Manual Integrations
 APPROVED

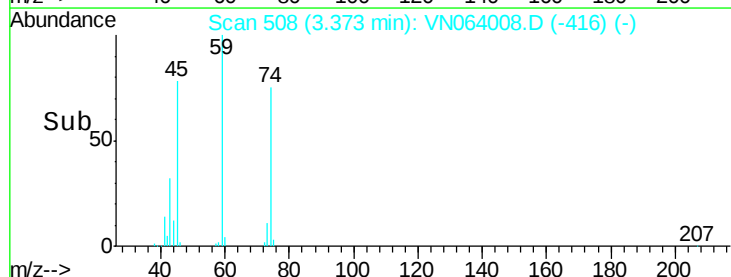
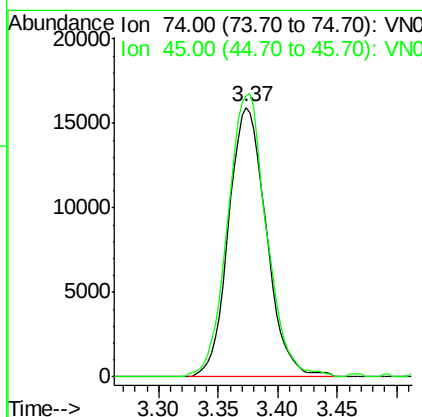
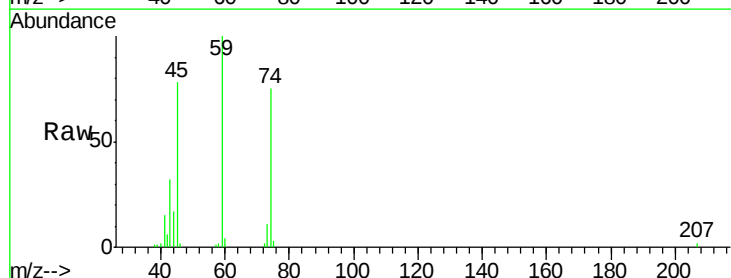
MMDadoda
 10/9/2020 4:53:04 PM

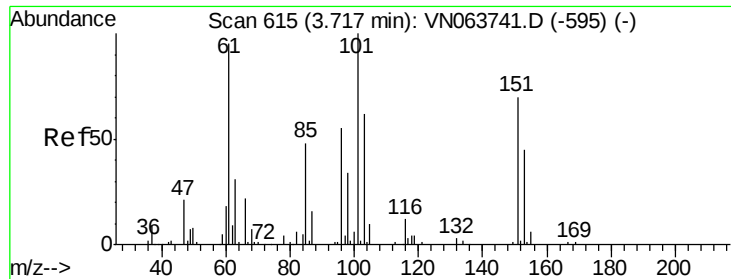


#8

Diethyl Ether
 Concen: 19.595 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.3	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.415 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

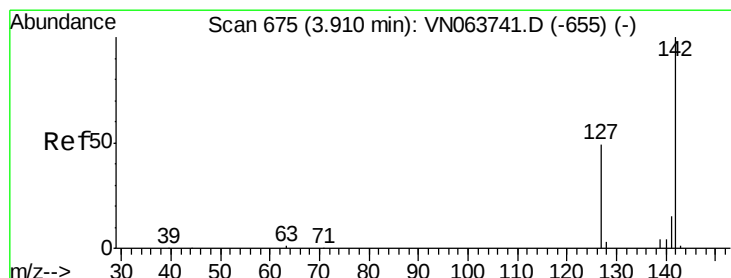
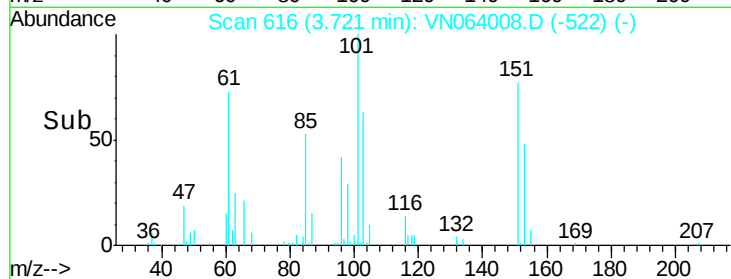
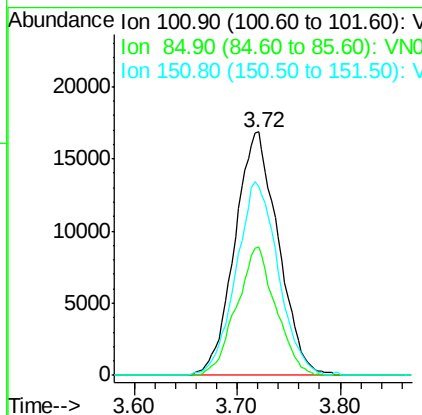
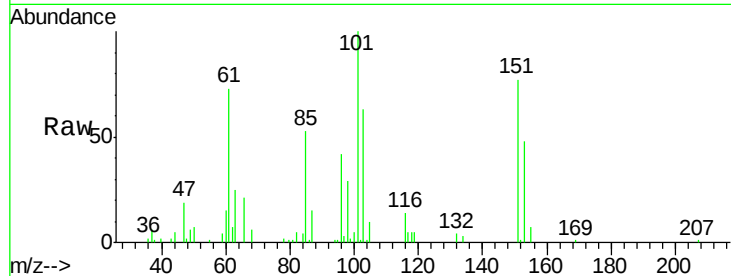
ClientSampleId :

VN1008WBS02

Tot Ion:	101	Resp:	49320
Ion Ratio	Lower	Upper	
101	100		
85	47.6	38.6	58.0
151	77.3	58.7	88.1

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#10

Methyl Iodide

Concen: 16.352 ug/l

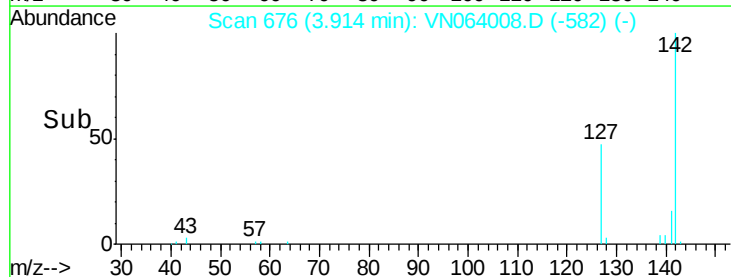
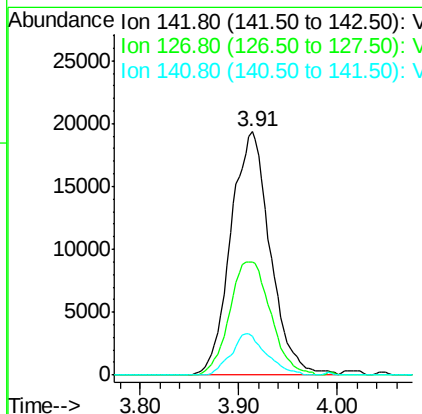
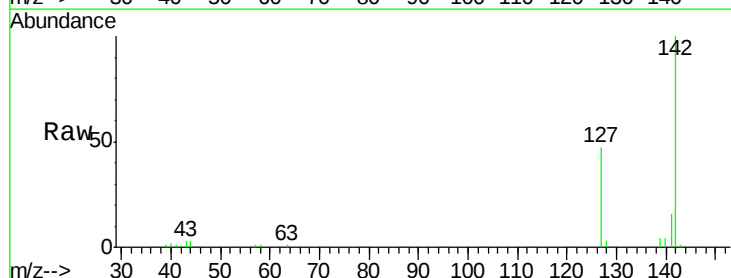
RT: 3.91 min Scan# 676

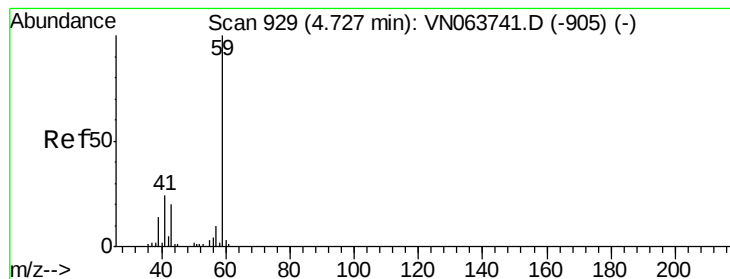
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:	142	Resp:	53771
Ion Ratio	Lower	Upper	
142	100		
127	48.3	40.5	60.7
141	15.2	11.7	17.5





#11

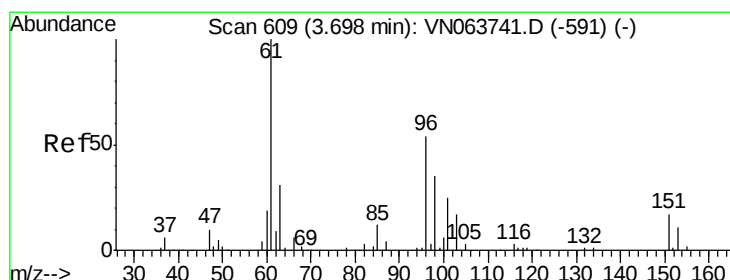
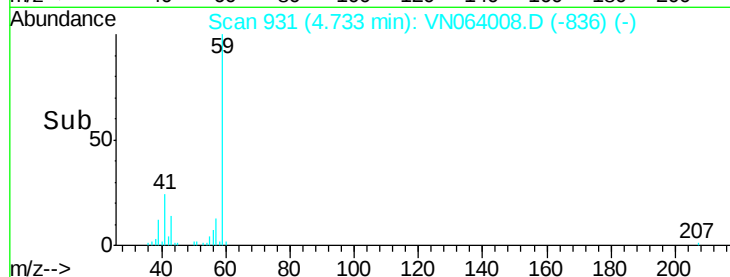
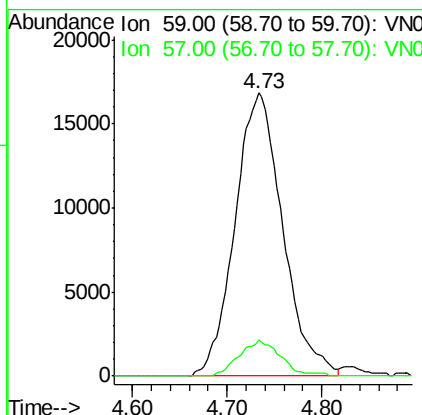
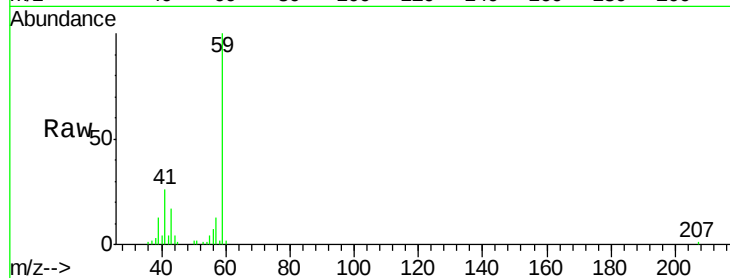
Tert butyl alcohol
Concen: 120.341 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

Manual Integrations
APPROVED

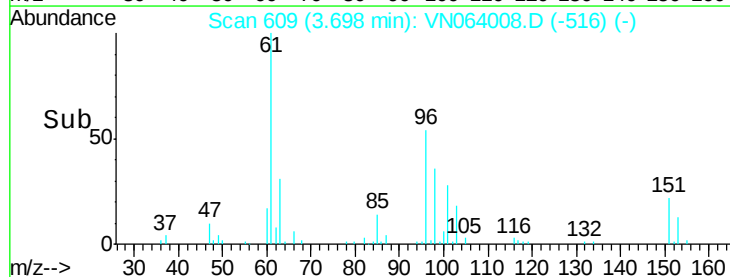
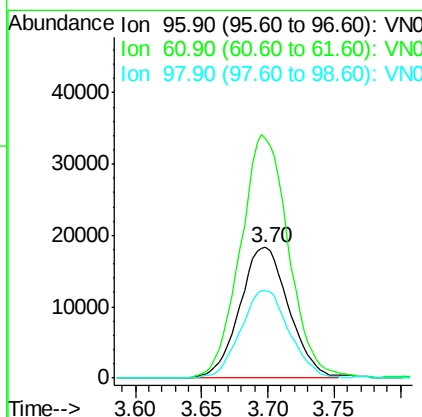
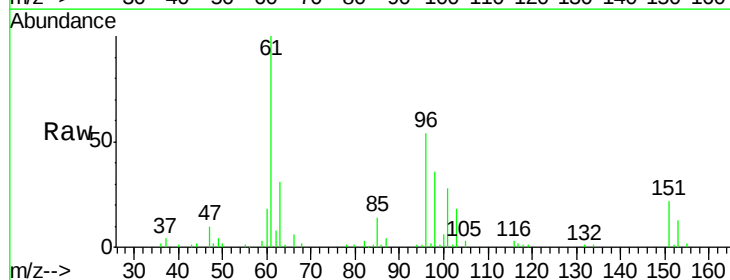
MMDadoda
10/9/2020 4:53:04 PM

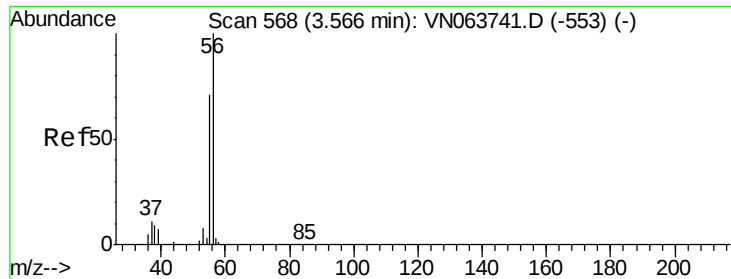


#12

1,1-Dichloroethene
Concen: 17.399 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	147.7	221.5
98	66.6	51.9	77.9





#13

Acrolein

Concen: 116.561 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion: 56 Resp: 35076

Ion Ratio Lower Upper

56 100

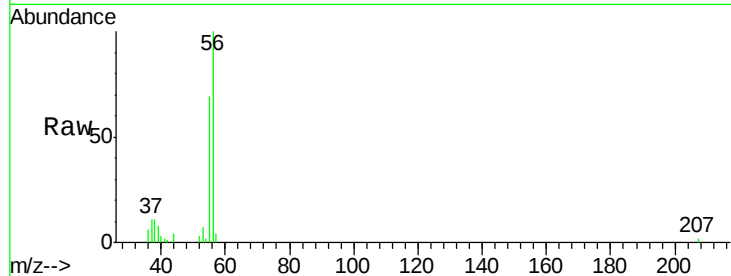
55 74.1 56.9 85.3

Manual Integrations

APPROVED

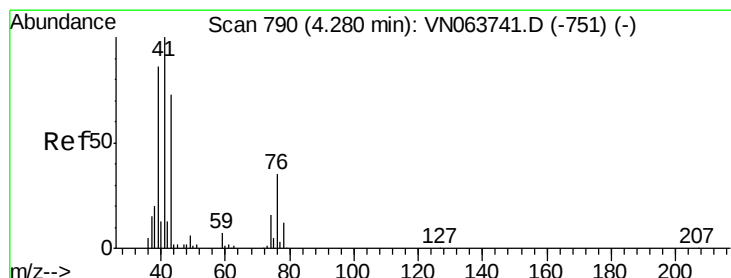
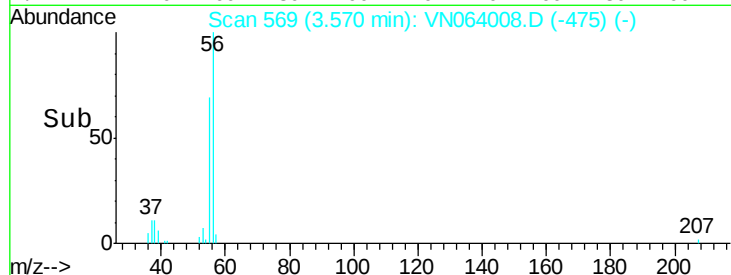
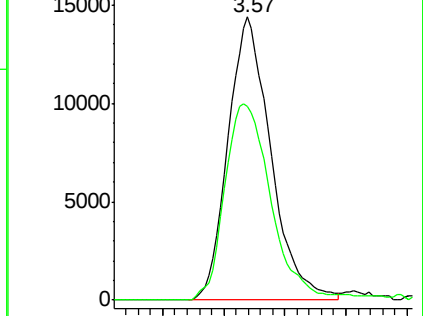
MMDadoda

10/9/2020 4:53:04 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.291 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

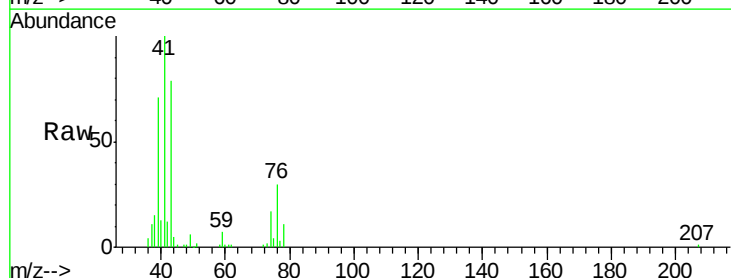
Tgt Ion: 41 Resp: 102041

Ion Ratio Lower Upper

41 100

39 66.4 64.5 96.7

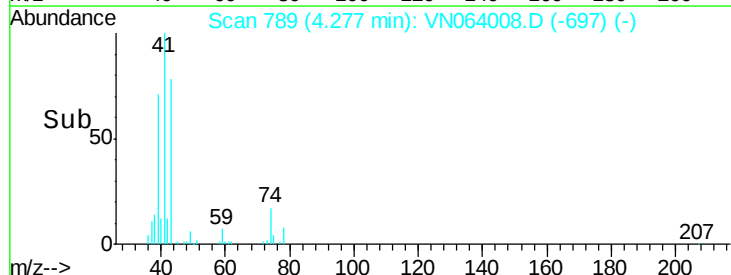
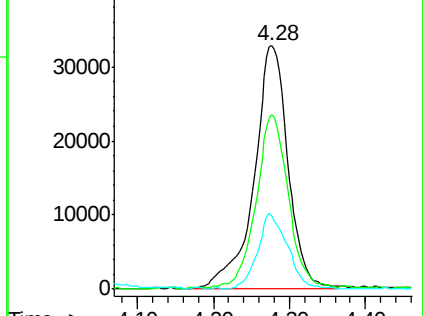
76 27.4 25.9 38.9

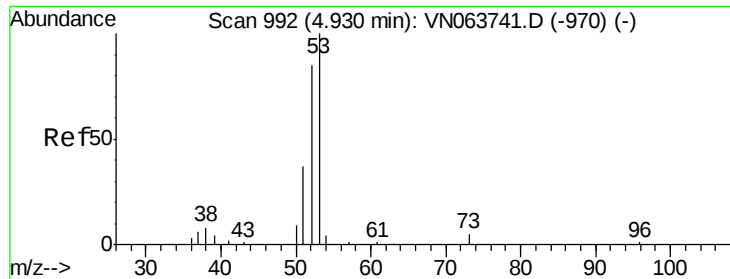


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.527 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

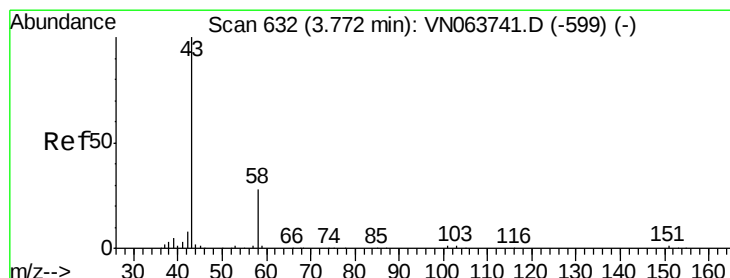
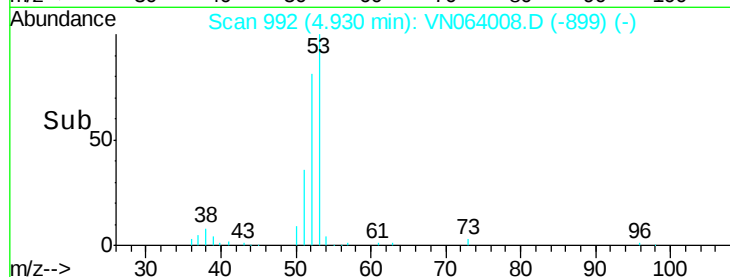
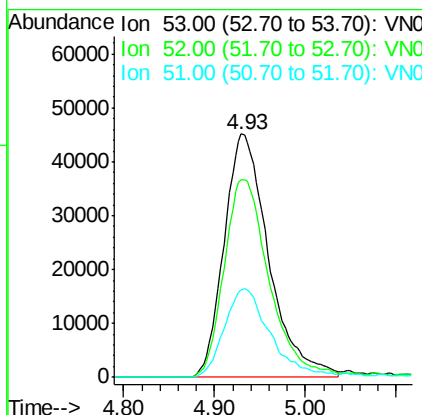
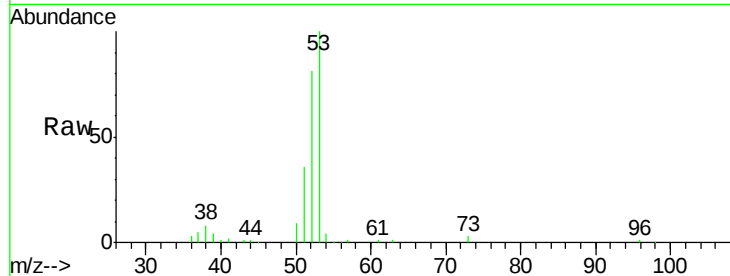
ClientSampleId :

VN1008WBS02

Tot Ion:	53	Resp:	153718
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.5	99.7
51	37.4	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#16

Acetone

Concen: 103.265 ug/l

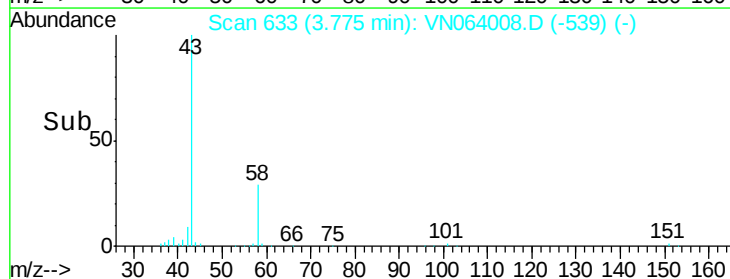
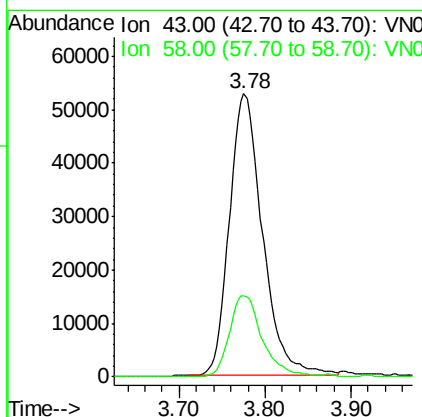
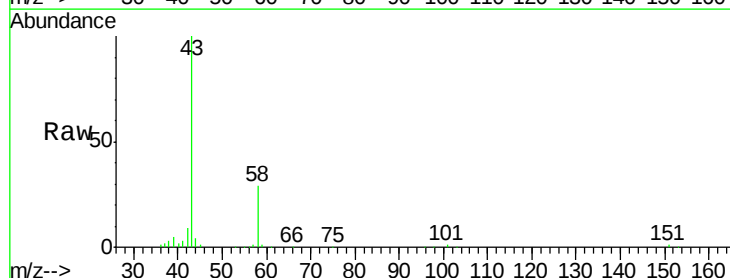
RT: 3.78 min Scan# 633

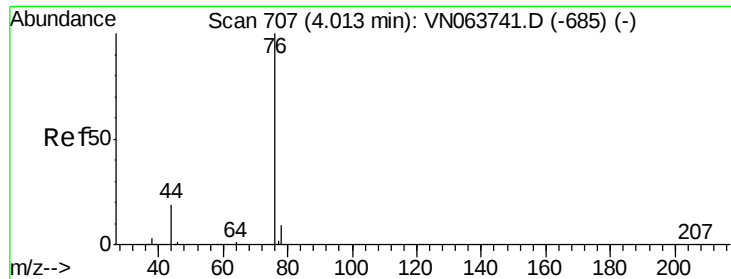
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:	43	Resp:	141174
Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.3	33.5





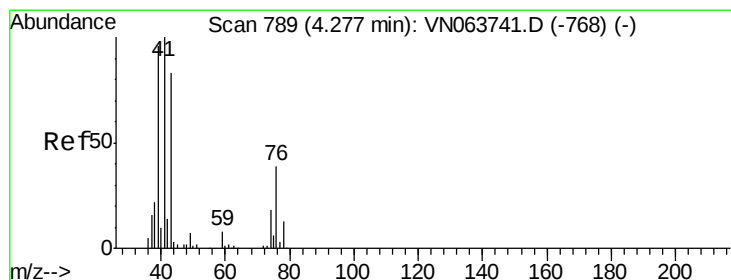
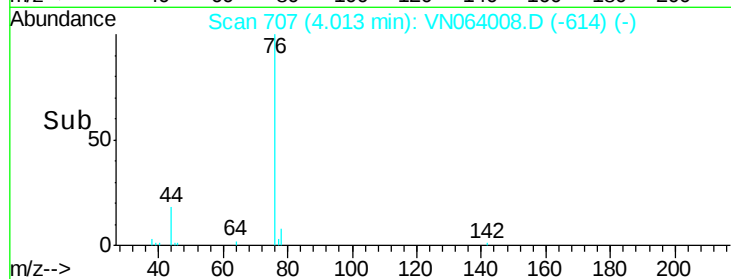
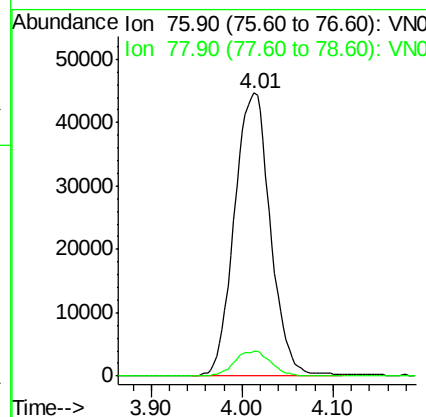
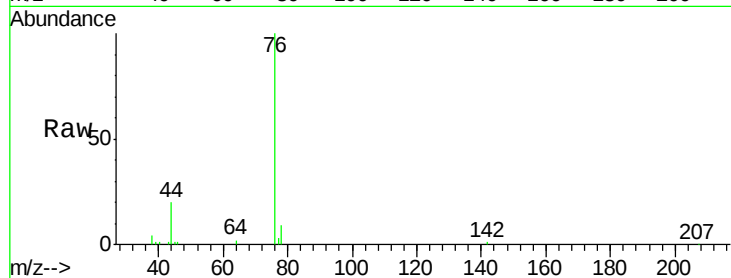
#17
Carbon Disulfide
Concen: 17.267 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

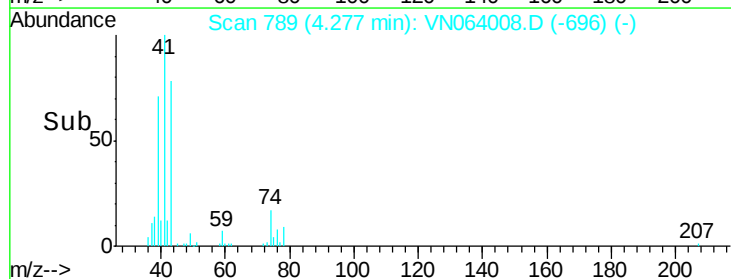
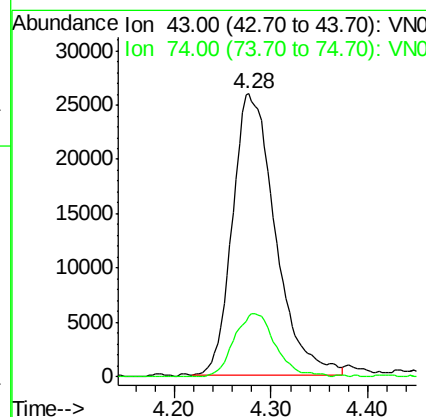
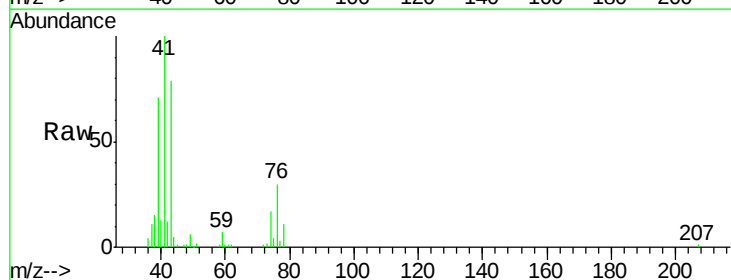
Manual Integrations
APPROVED

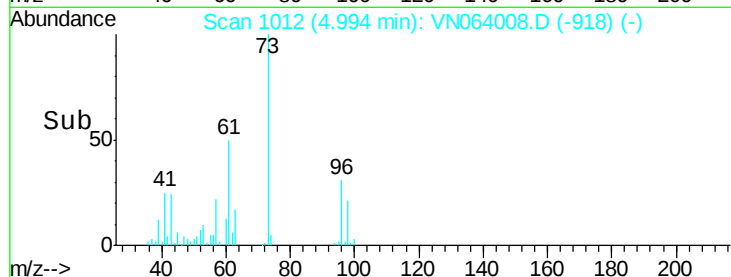
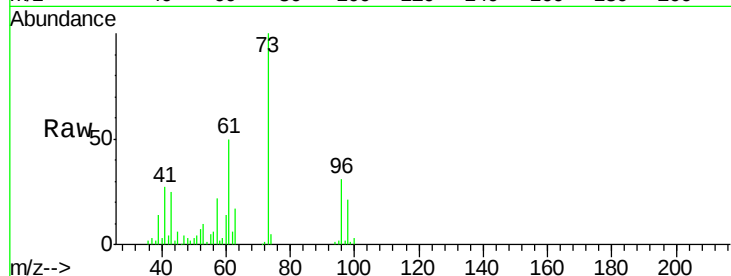
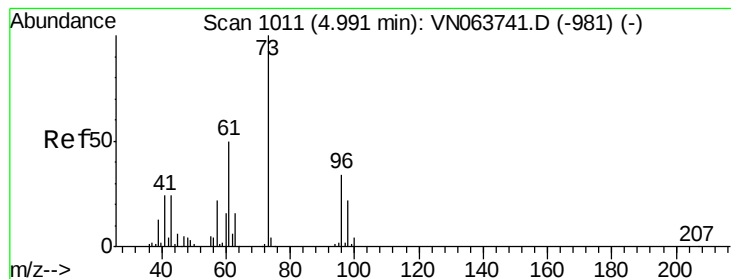
MMDadoda
10/9/2020 4:53:04 PM



#18
Methyl Acetate
Concen: 22.298 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2





#19

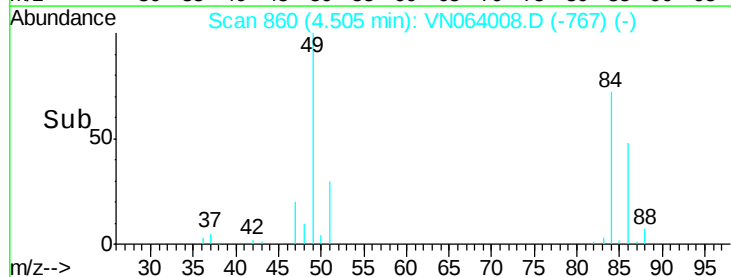
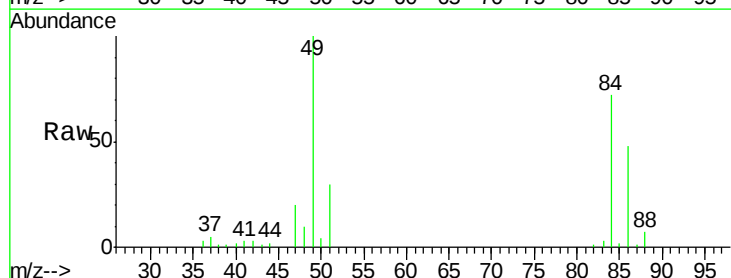
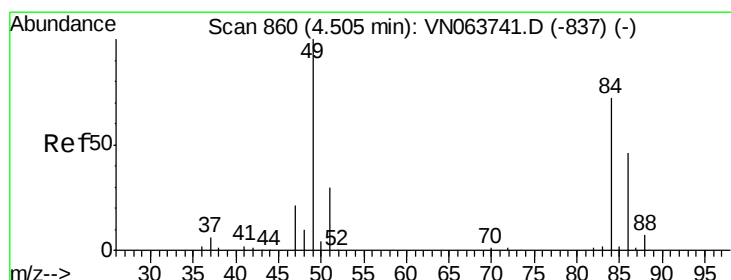
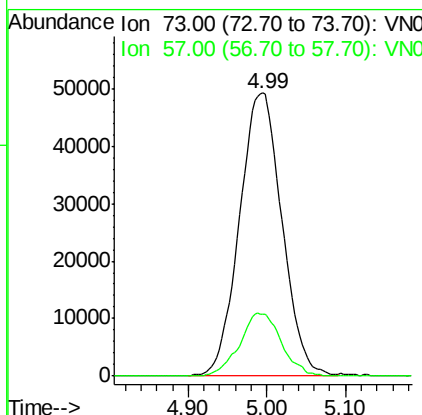
Methyl tert-butyl Ether
Concen: 19.048 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tot Ion: 73 Resp: 187334
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Manual Integrations
APPROVED

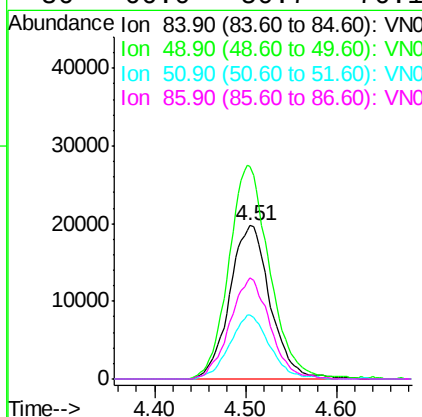
MMDadoda
10/9/2020 4:53:04 PM

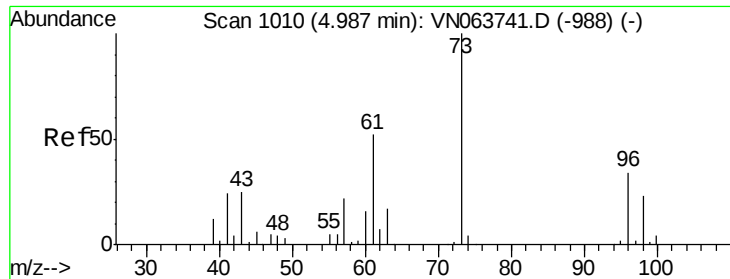


#20

Methylene Chloride
Concen: 19.606 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion: 84 Resp: 61207
Ion Ratio Lower Upper
84 100
49 138.6 110.4 165.6
51 42.1 33.3 49.9
86 66.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.434 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion: 96 Resp: 52862

Ion Ratio Lower Upper

96 100

61 158.8 120.2 180.2

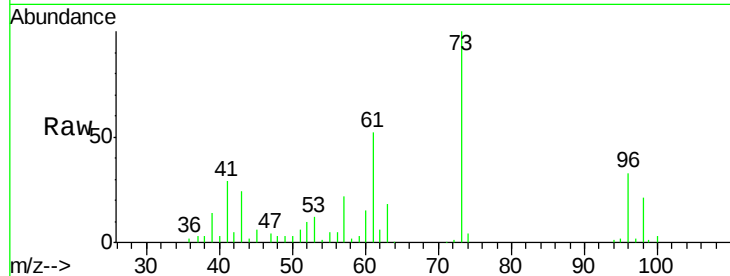
98 65.8 52.6 79.0

Manual Integrations

APPROVED

MMDadoda

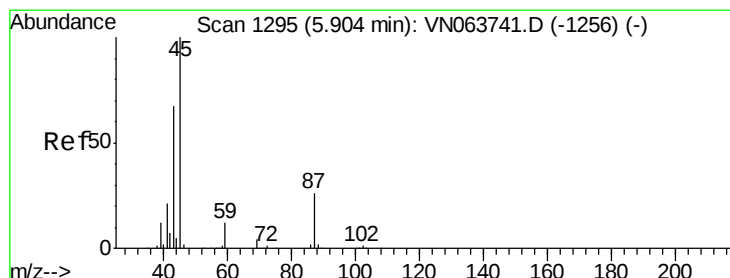
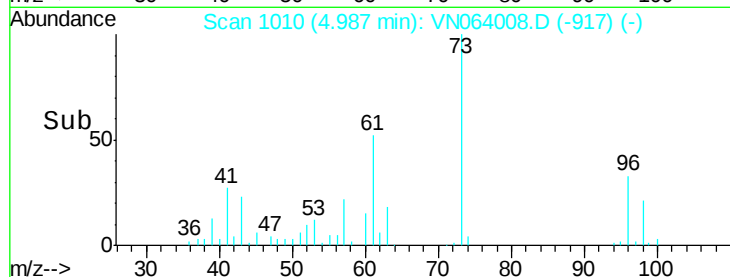
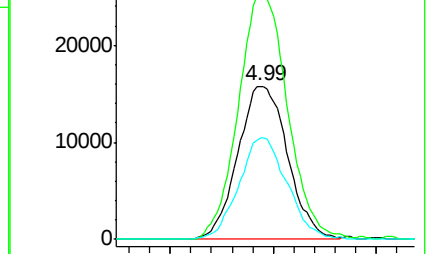
10/9/2020 4:53:04 PM



Abundance Ion 95.90 (95.60 to 96.60): VN063741.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN063741.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN063741.D (-988) (-)



#22

Diisopropyl ether

Concen: 20.803 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion: 45 Resp: 215244

Ion Ratio Lower Upper

45 100

43 74.6 53.7 80.5

87 24.4 21.1 31.7

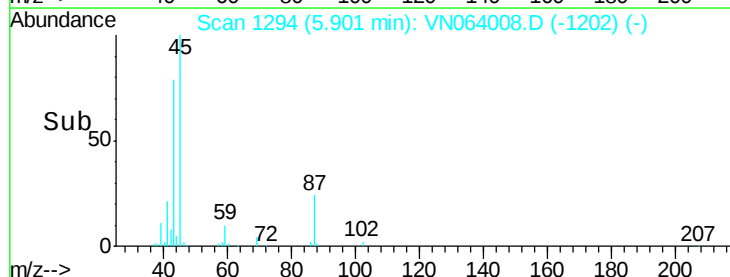
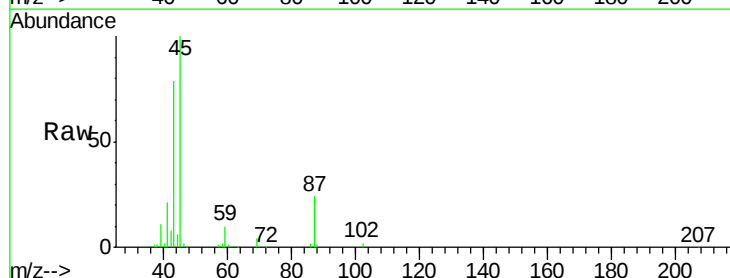
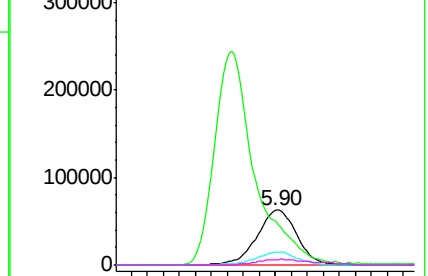
59 10.1 9.2 13.8

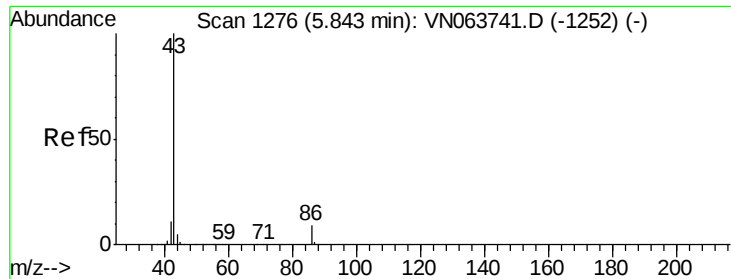
Abundance Ion 45.00 (44.70 to 45.70): VN063741.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN063741.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN063741.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN063741.D (-1256) (-)





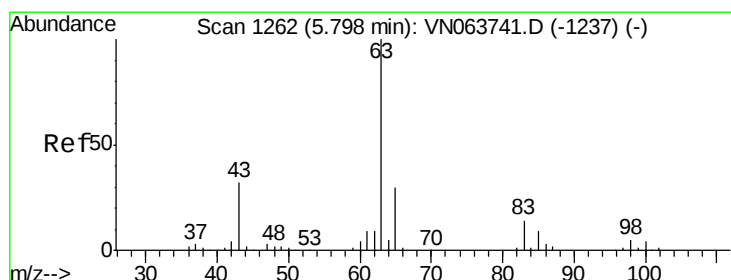
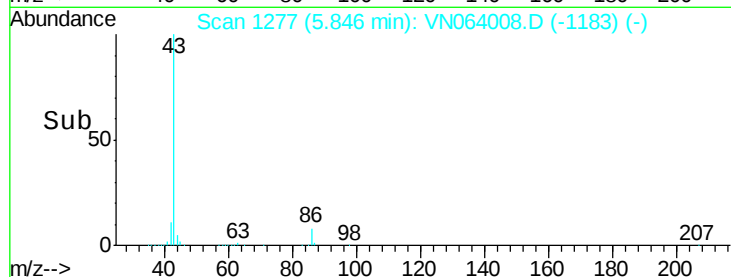
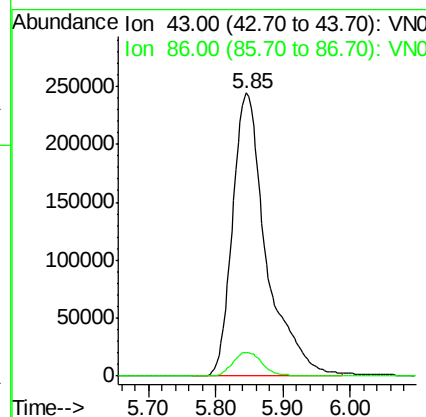
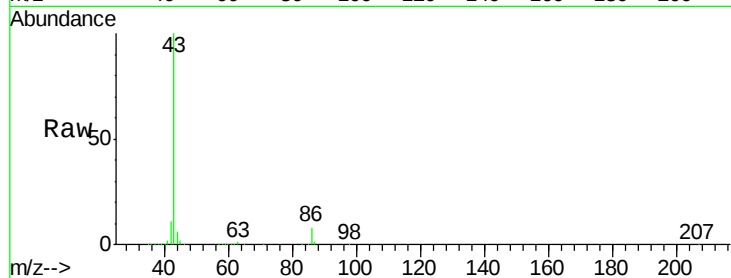
#23
 Vinyl Acetate
 Concen: 99.305 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion: 43 Resp: 851129
 Ion Ratio Lower Upper
 43 100
 86 8.4 7.3 10.9

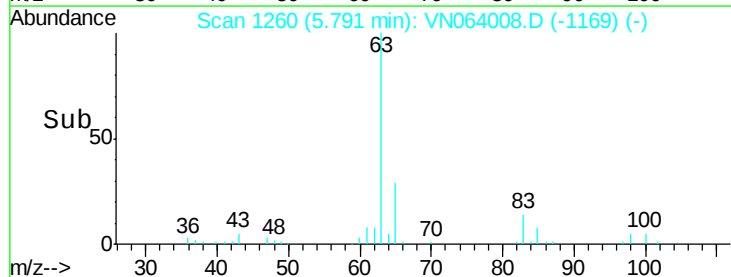
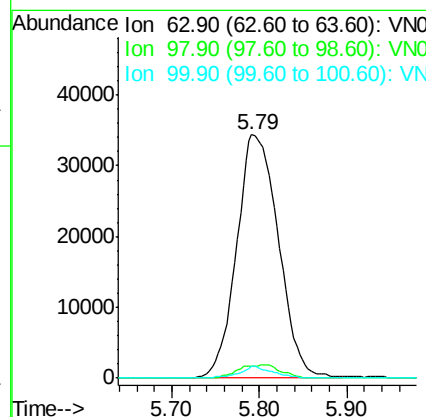
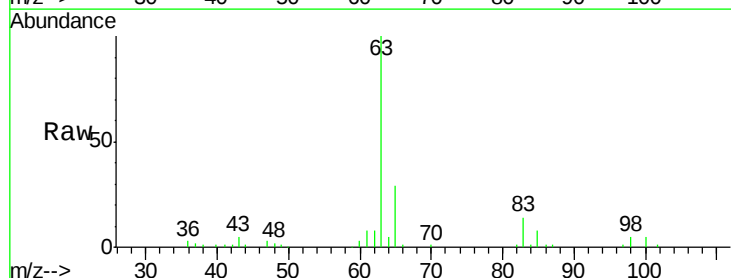
Manual Integrations
 APPROVED

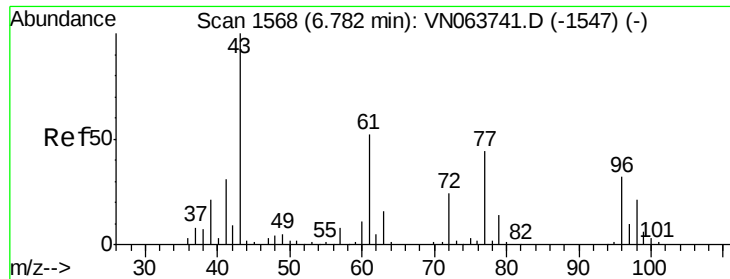
MMDadoda
 10/9/2020 4:53:04 PM



#24
 1,1-Dichloroethane
 Concen: 19.260 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion: 63 Resp: 113942
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.7 8.1
 100 4.7 1.9 5.7





#25

2-Butanone

Concen: 112.803 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion: 43 Resp: 218637

Ion Ratio Lower Upper

43 100

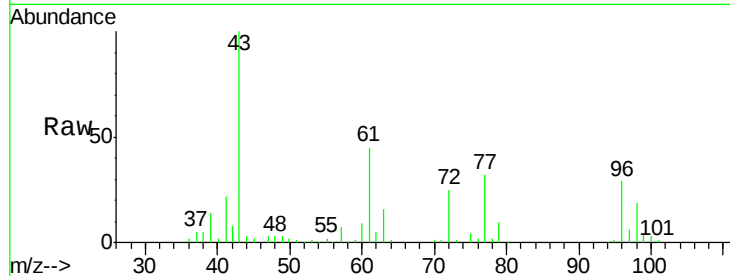
72 25.0 19.3 28.9

Manual Integrations

APPROVED

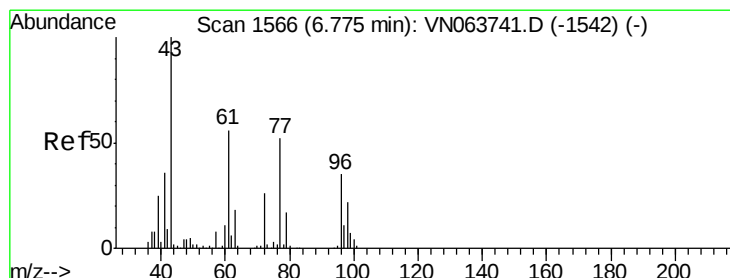
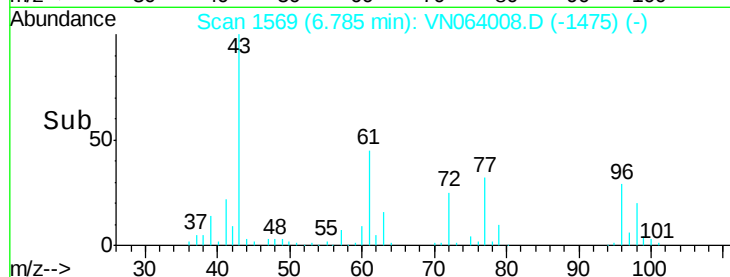
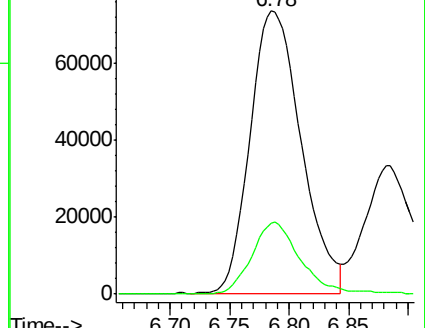
MMDadoda

10/9/2020 4:53:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1547) (-)

Ion 72.00 (71.70 to 72.70): VN063741.D (-1547) (-)



#26

2,2-Dichloropropane

Concen: 14.942 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064008.D

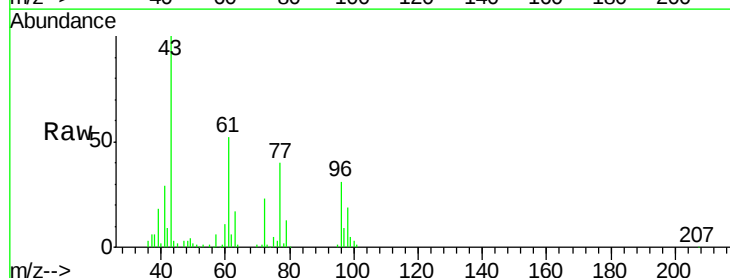
Acq: 9 Oct 2020 00:04

Tgt Ion: 77 Resp: 80951

Ion Ratio Lower Upper

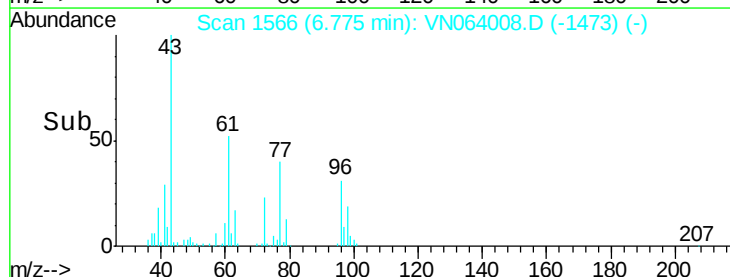
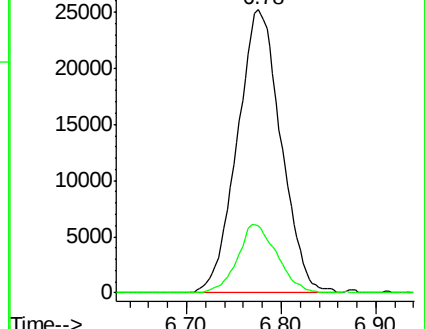
77 100

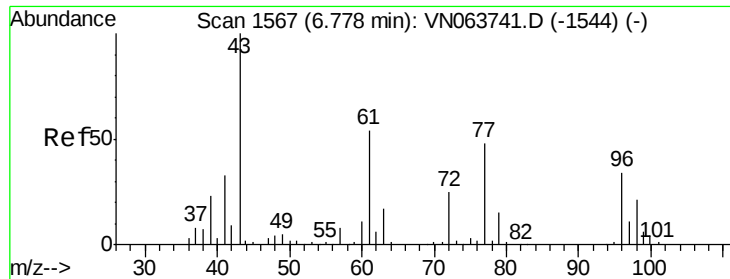
97 21.7 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN063741.D (-1542) (-)

Ion 96.90 (96.60 to 97.60): VN063741.D (-1542) (-)





#27

cis-1,2-Dichloroethene

Concen: 18.063 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

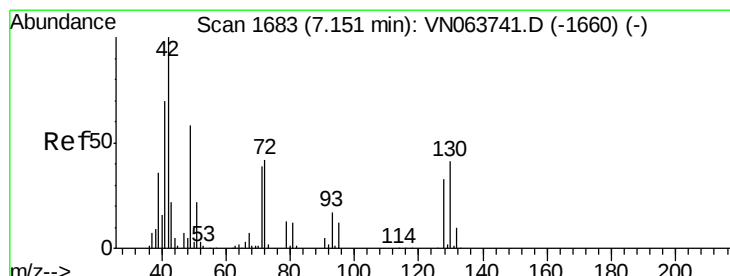
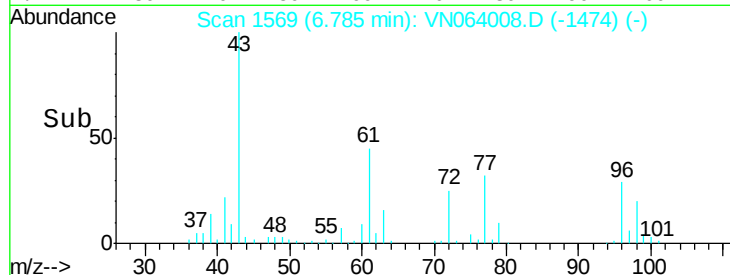
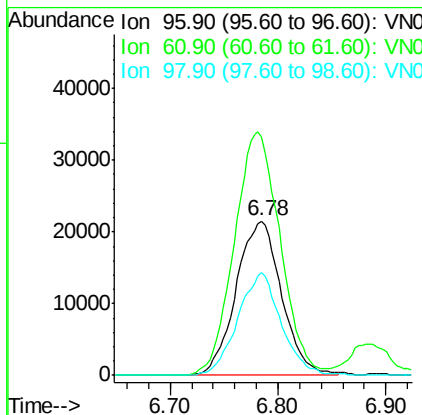
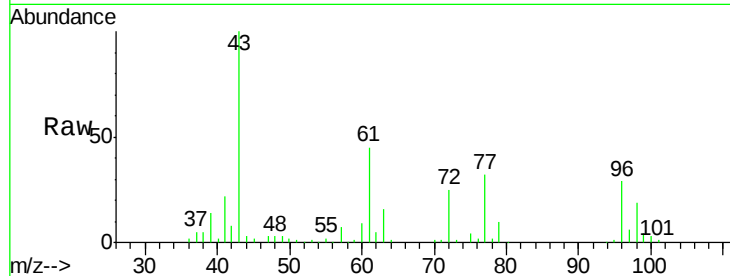
ClientSampleId :

VN1008WBS02

Tot Ion:	96	Resp:	62989
Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	321.2
98	63.6	0.0	124.4

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#28

Bromochloromethane

Concen: 18.919 ug/l

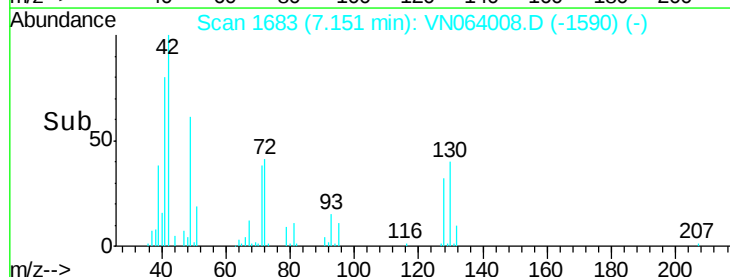
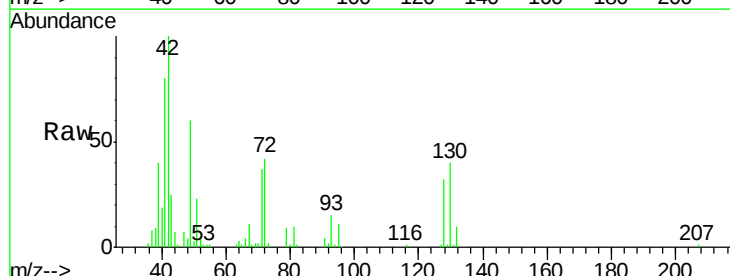
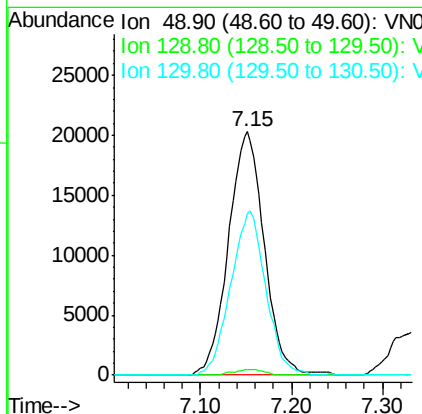
RT: 7.15 min Scan# 1683

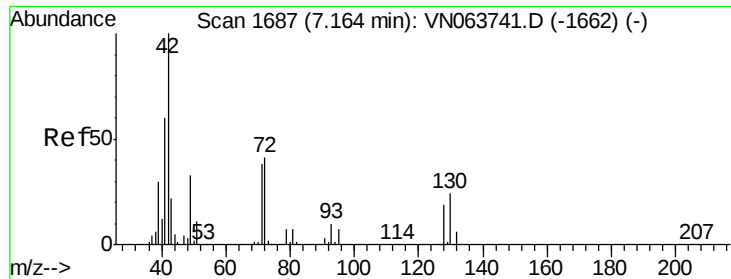
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:	49	Resp:	55319
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	65.9	55.6	83.4





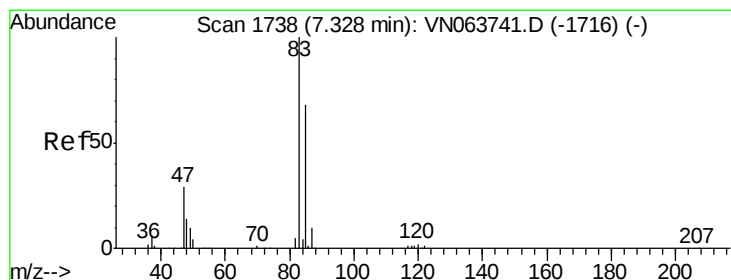
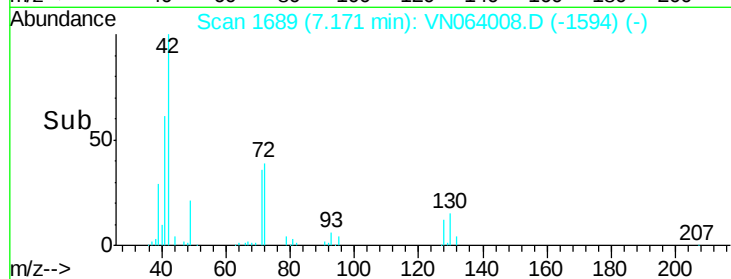
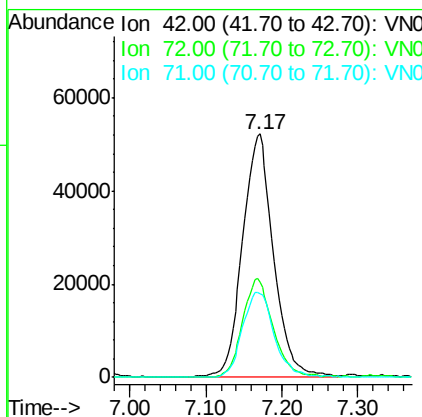
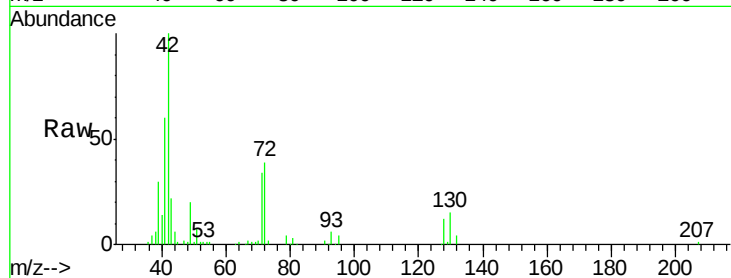
#29
Tetrahydrofuran
Concen: 113.876 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.8	49.2
71	35.7	30.6	45.8

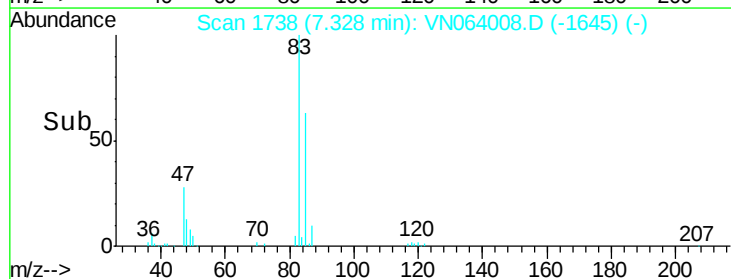
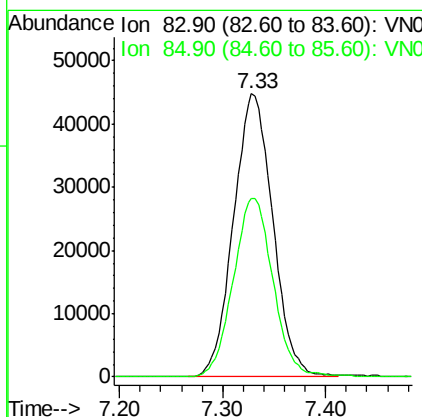
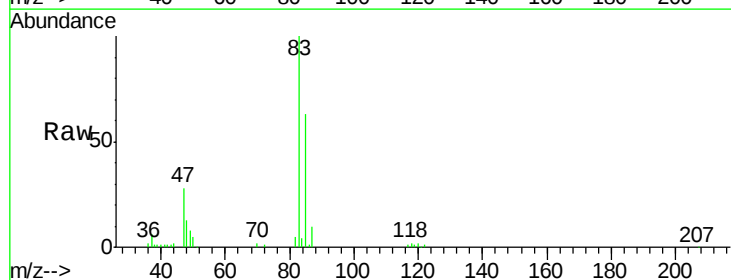
Manual Integrations
APPROVED

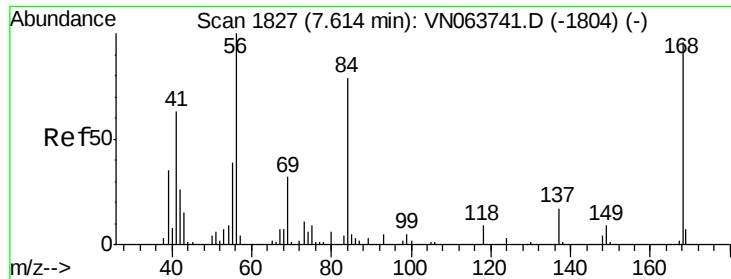
MMDadoda
10/9/2020 4:53:04 PM



#30
Chloroform
Concen: 19.234 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	54.6	82.0





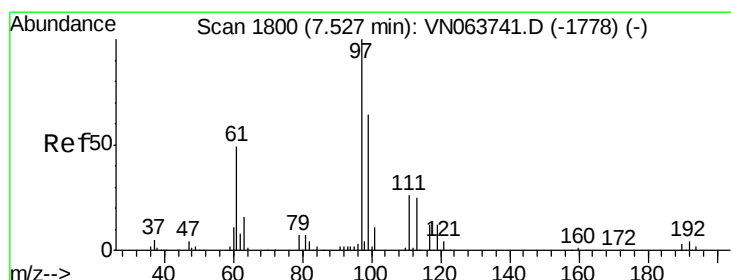
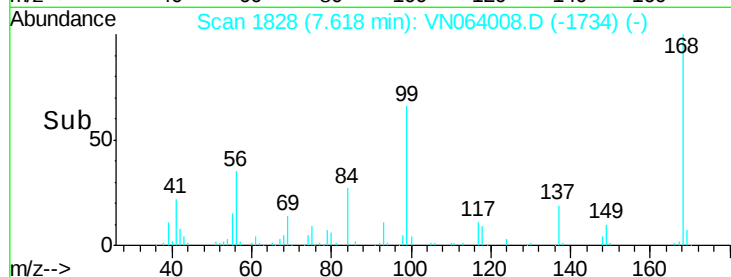
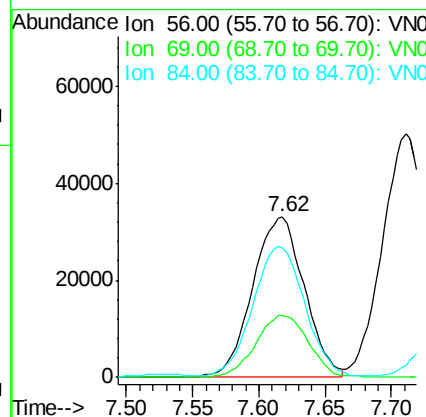
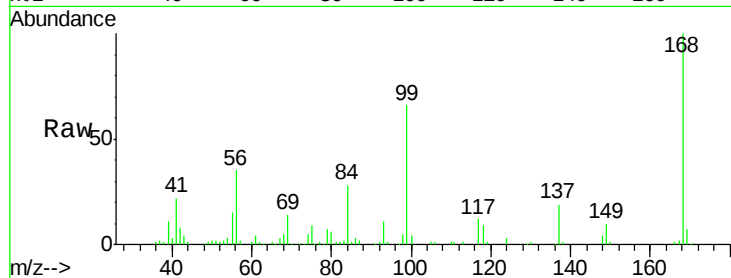
#31
Cyclohexane
Concen: 17.437 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	25.4	38.2#
84	79.4	63.3	94.9

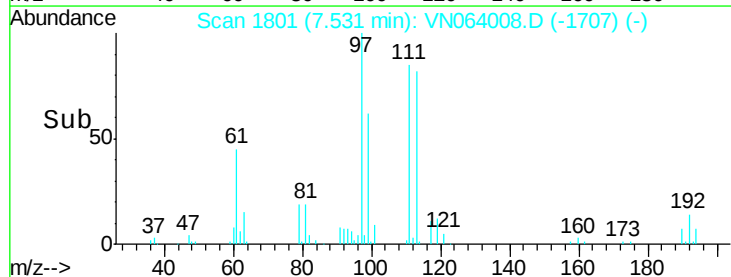
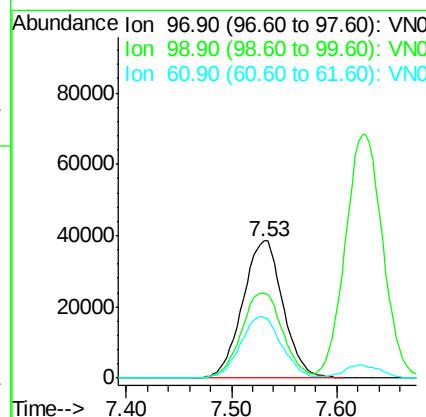
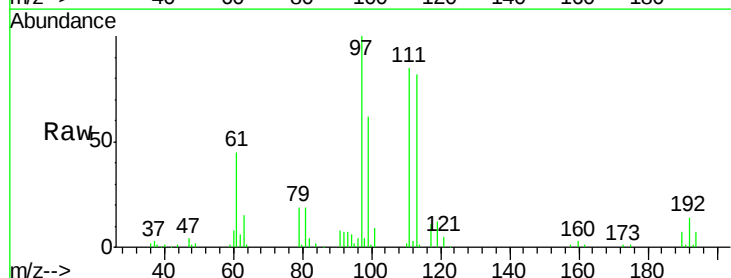
Manual Integrations
APPROVED

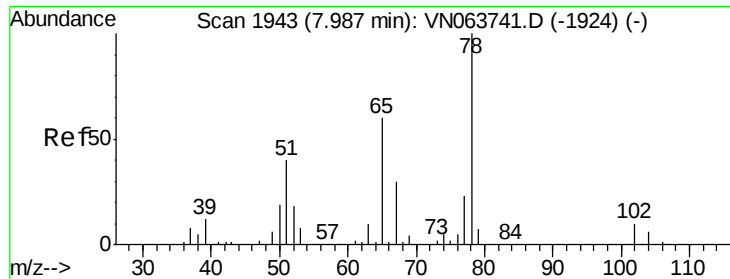
MMDadoda
10/9/2020 4:53:04 PM



#32
1,1,1-Trichloroethane
Concen: 18.438 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	45.7	38.7	58.1





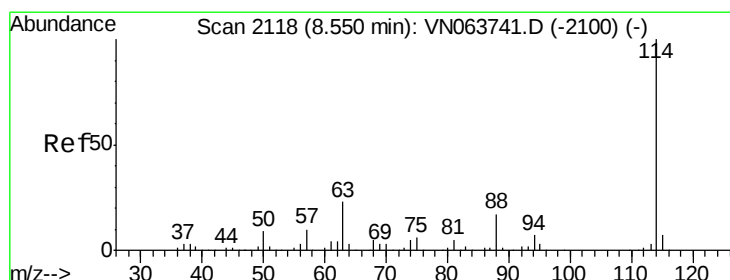
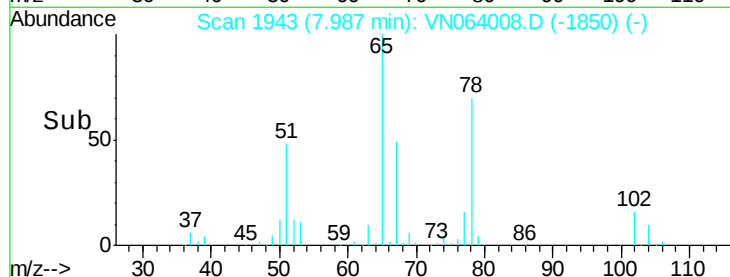
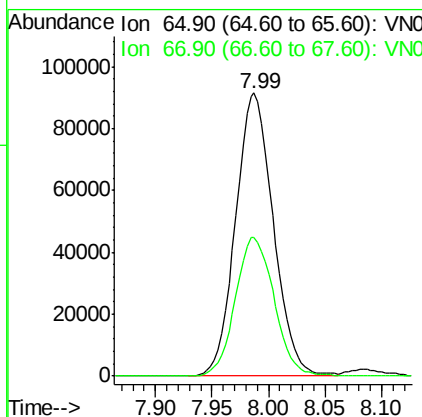
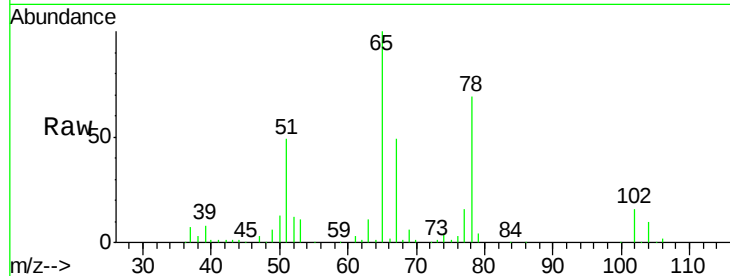
#33
 1,2-Dichloroethane-d4
 Concen: 47.928 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212851		
67	50.3	0.0	99.6	

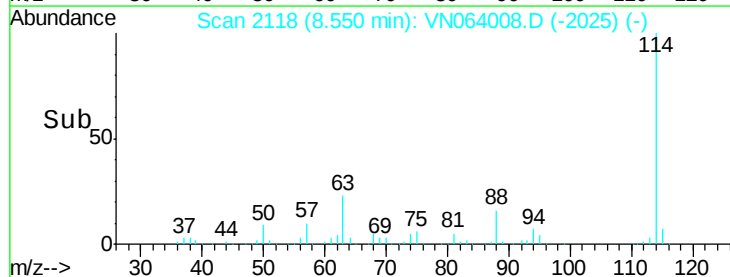
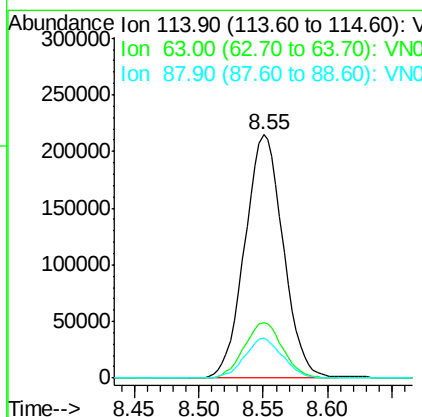
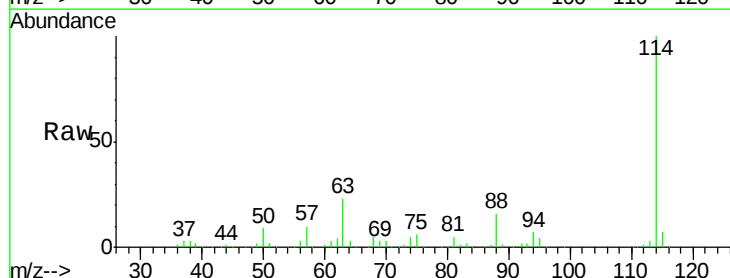
Manual Integrations
 APPROVED

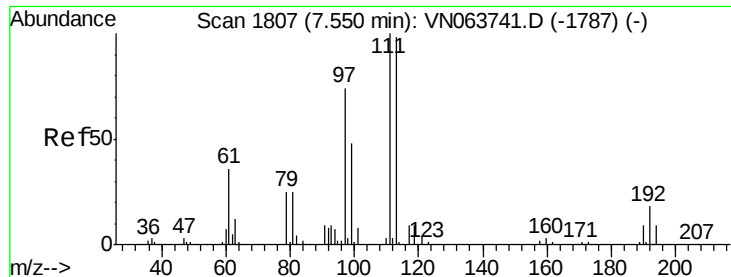
MMDadoda
 10/9/2020 4:53:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445955		
63	22.7	0.0	45.0	
88	16.4	0.0	34.0	





#35

Dibromofluoromethane

Concen: 48.346 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

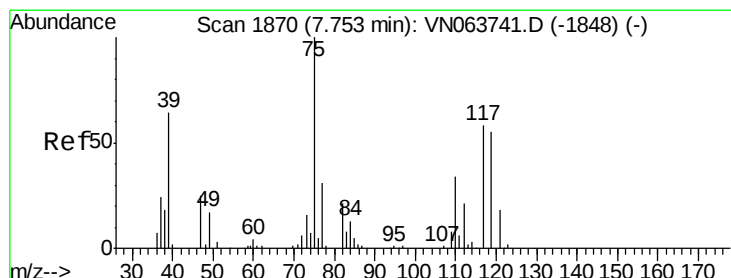
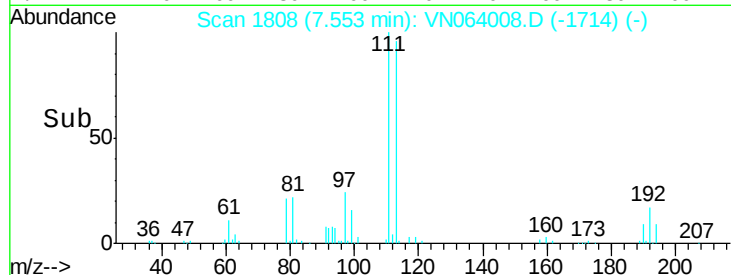
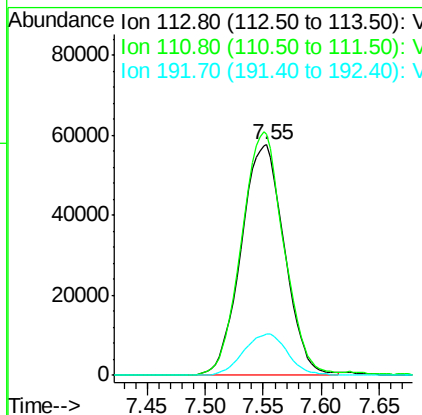
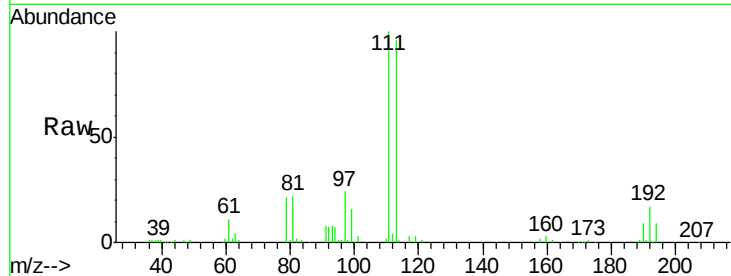
ClientSampleId :

VN1008WBS02

Tot Ion:	113	Resp:	149600
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.8	122.8
192	18.3	14.2	21.2

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#36

1,1-Dichloropropene

Concen: 17.165 ug/l

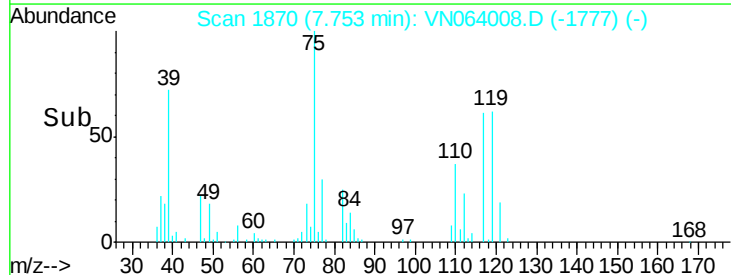
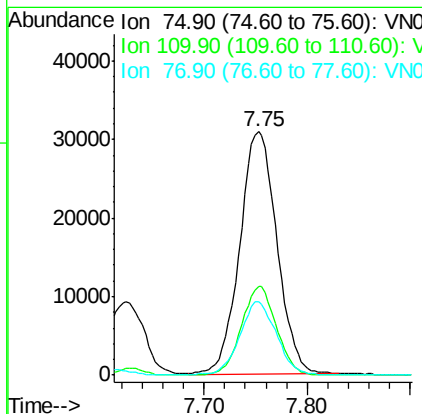
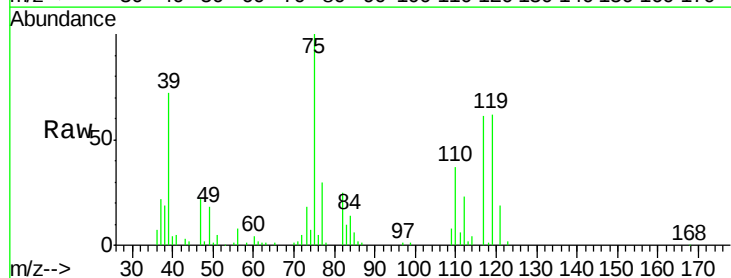
RT: 7.75 min Scan# 1870

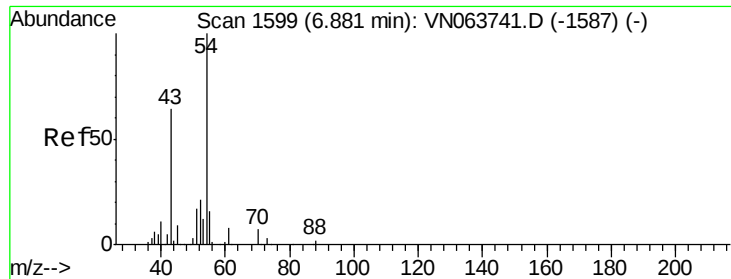
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:	75	Resp:	77551
Ion Ratio	Lower	Upper	
75	100		
110	34.1	16.9	50.6
77	29.8	24.5	36.7





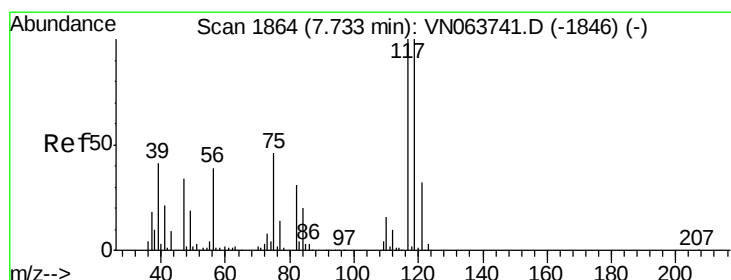
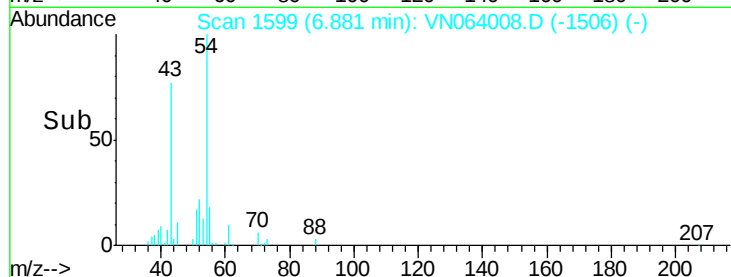
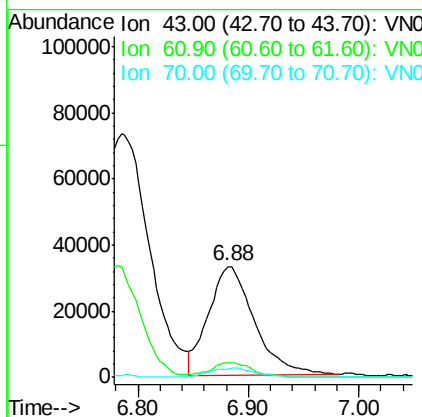
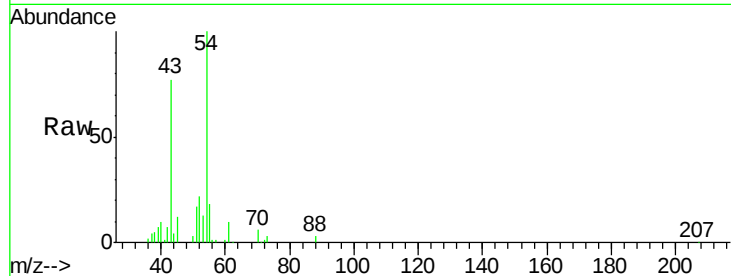
#37
Ethyl Acetate
Concen: 21.007 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	10.4	15.6
70	8.5	7.3	10.9

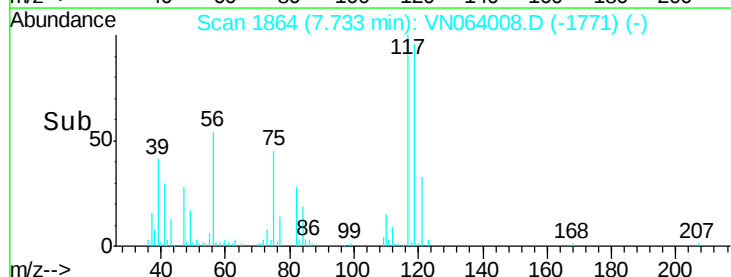
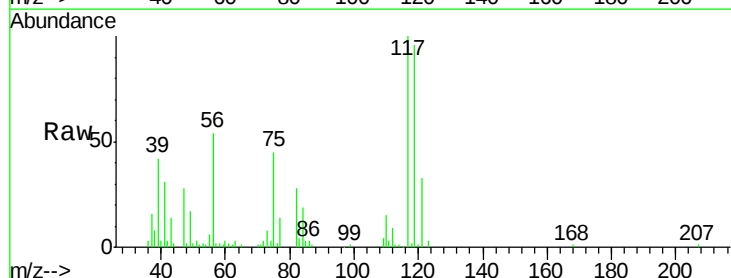
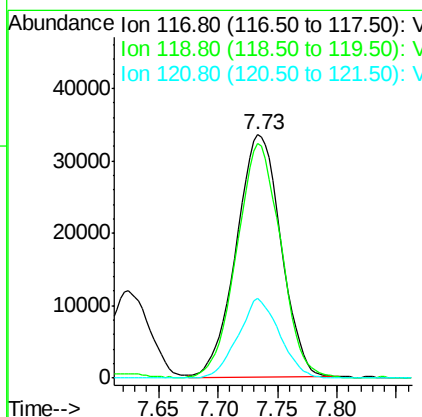
Manual Integrations
APPROVED

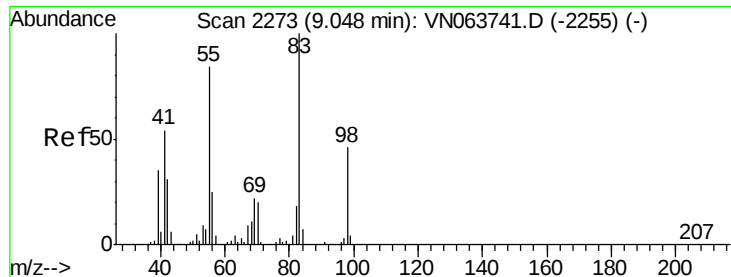
MMDadoda
10/9/2020 4:53:04 PM



#38
Carbon Tetrachloride
Concen: 17.222 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	80.1	120.1
121	32.8	25.7	38.5





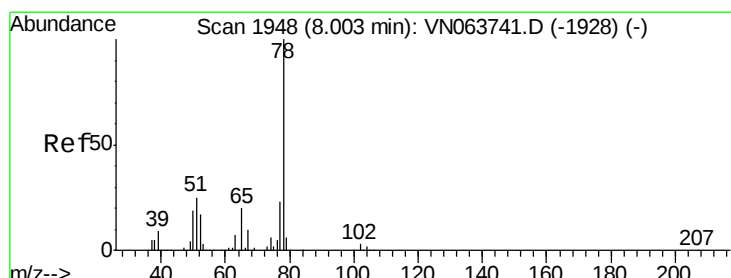
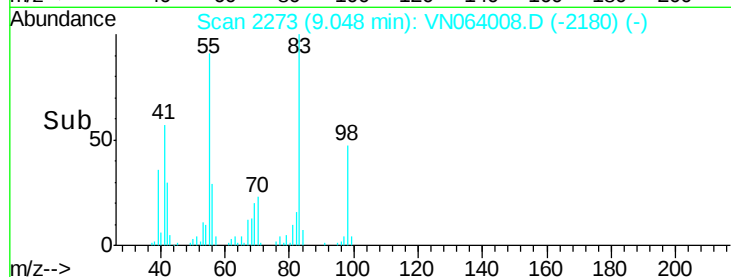
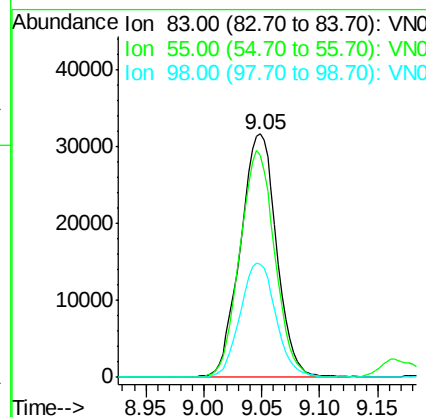
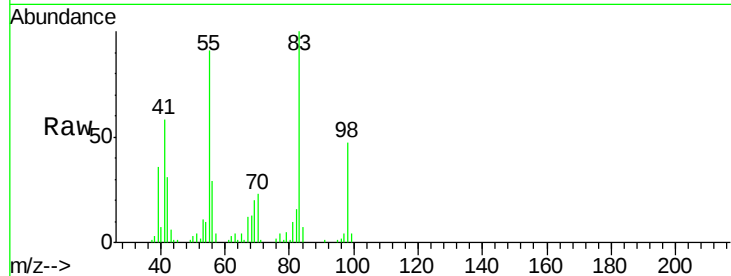
#39
Methvlcvclohexane
Concen: 15.269 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.2	67.1	100.7
98	46.6	36.6	54.8

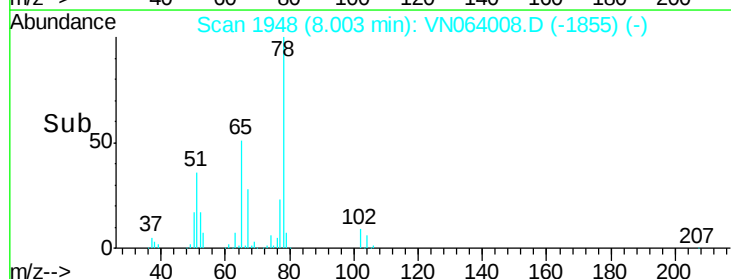
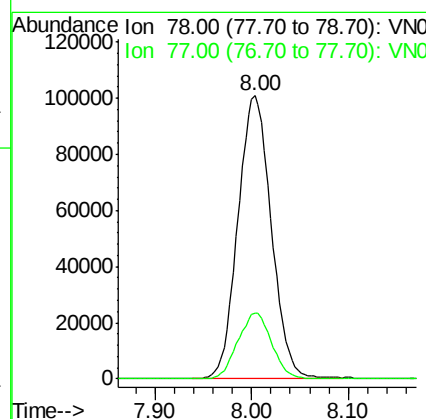
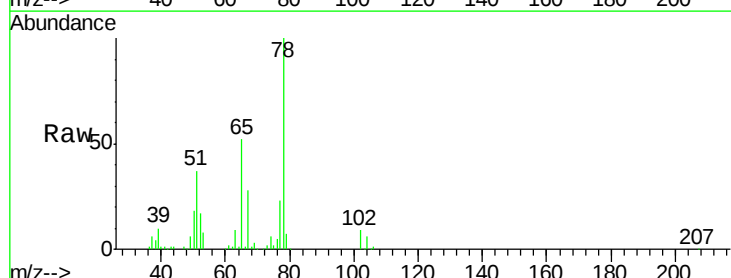
Manual Integrations
APPROVED

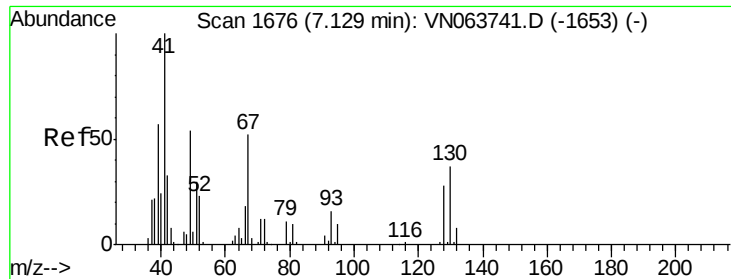
MMDadoda
10/9/2020 4:53:04 PM



#40
Benzene
Concen: 18.758 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





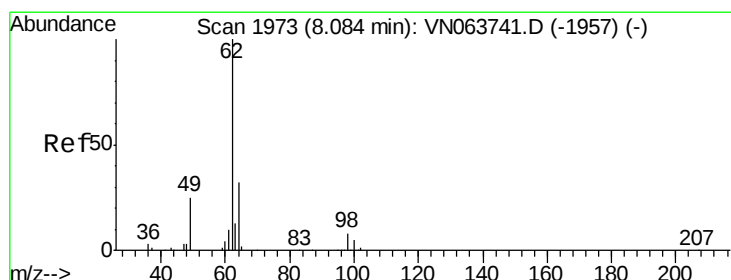
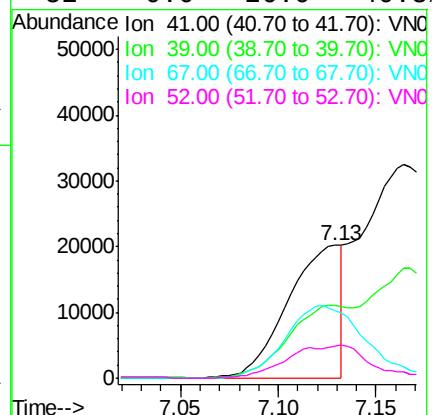
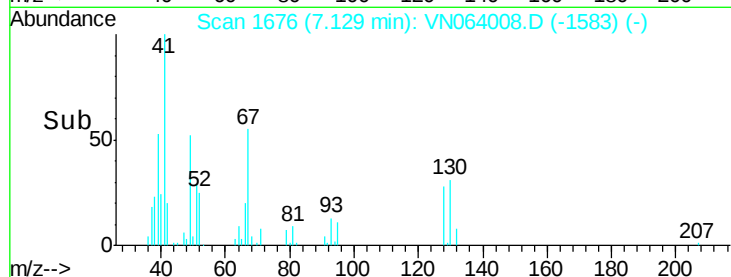
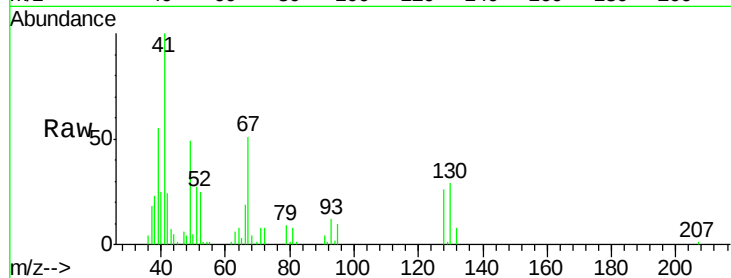
#41
Methacrylonitrile
Concen: 19.397 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

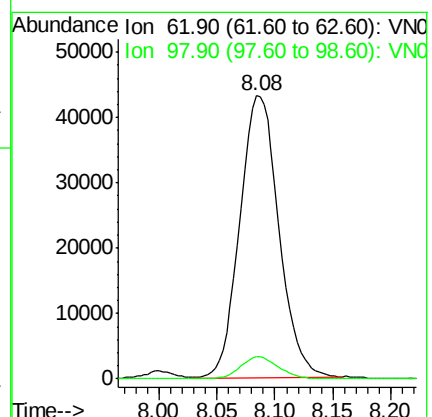
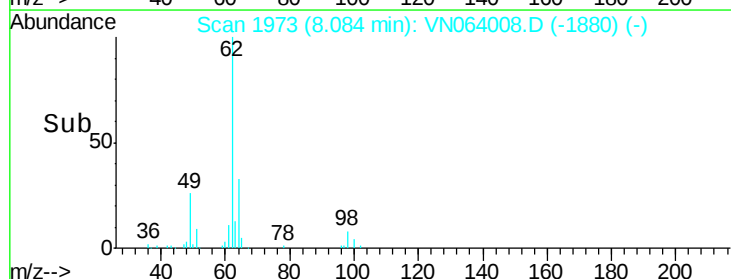
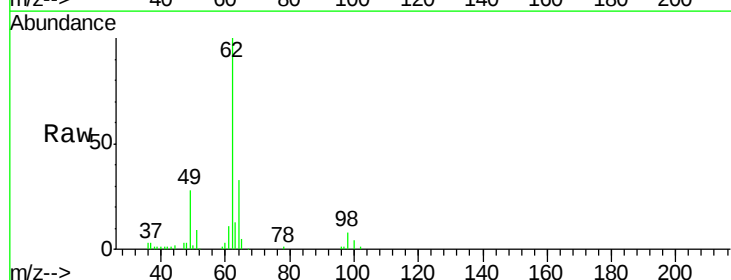
Manual Integrations
APPROVED

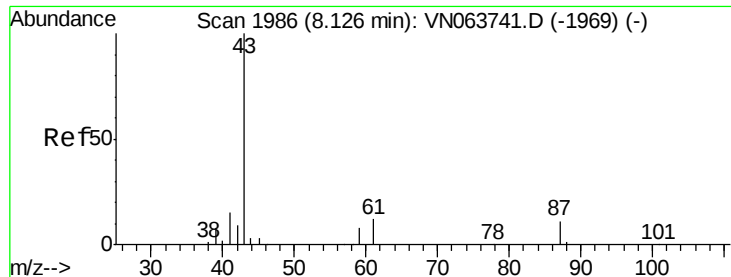
MMDadoda
10/9/2020 4:53:04 PM



#42
1,2-Dichloroethane
Concen: 18.435 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.0





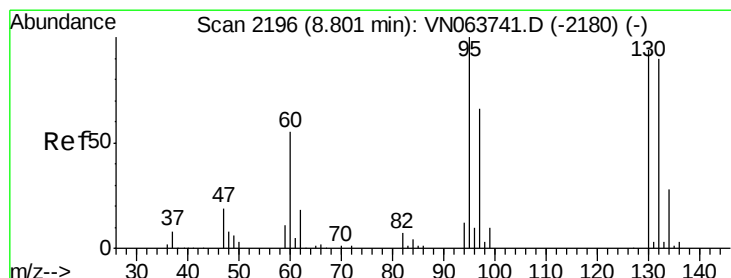
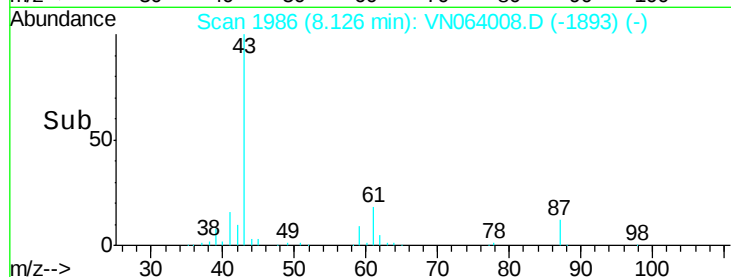
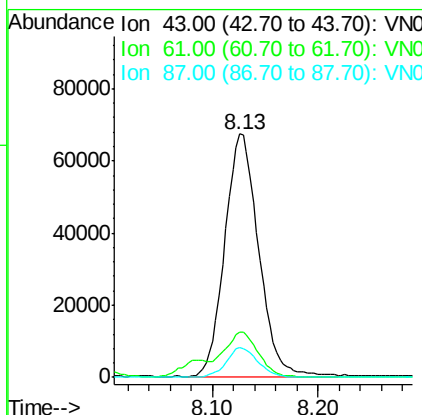
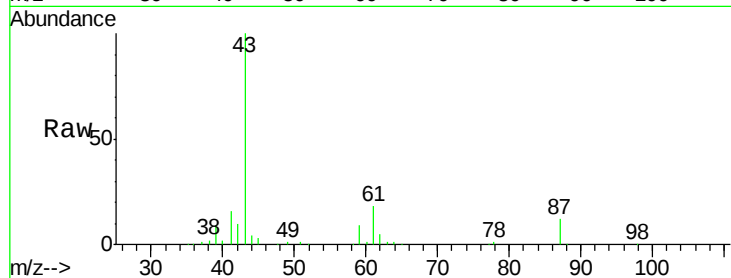
#43
Isopropyl Acetate
Concen: 20.293 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.2	21.4
87	11.3	9.0	13.6

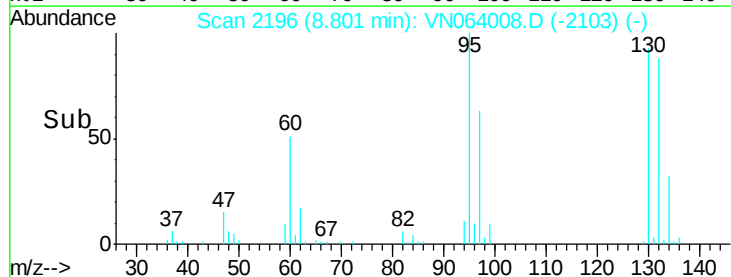
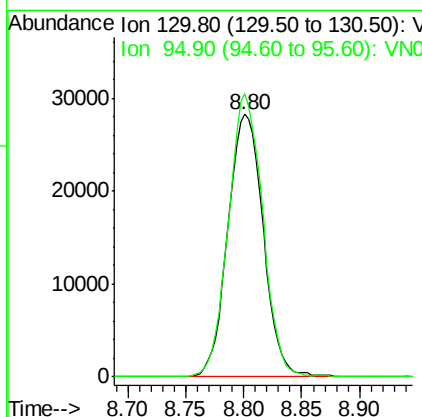
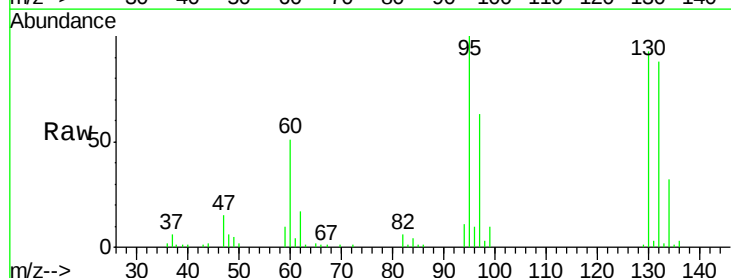
Manual Integrations
APPROVED

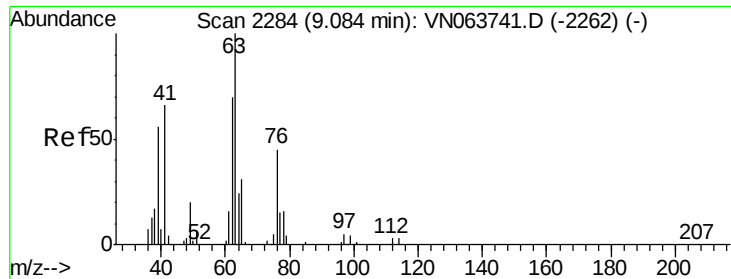
MMDadoda
10/9/2020 4:53:04 PM



#44
Trichloroethene
Concen: 17.704 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	213.6





#45

1,2-Dichloropropane

Concen: 19.545 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion: 63 Resp: 68115

Ion Ratio Lower Upper

63 100

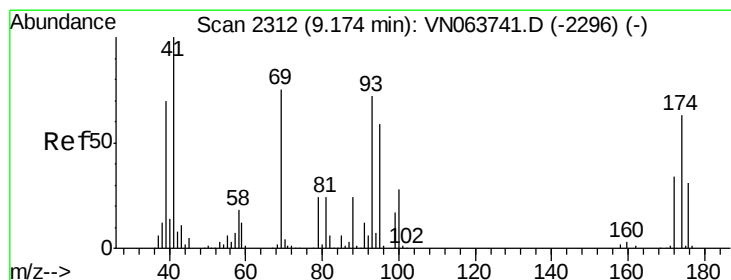
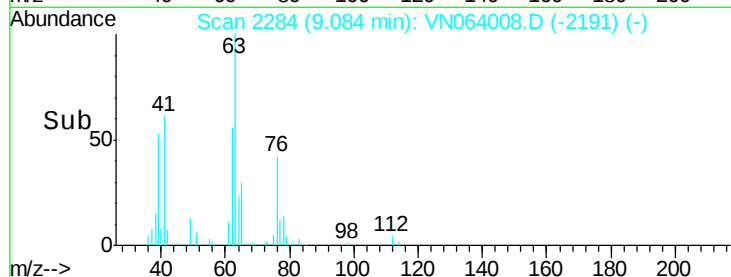
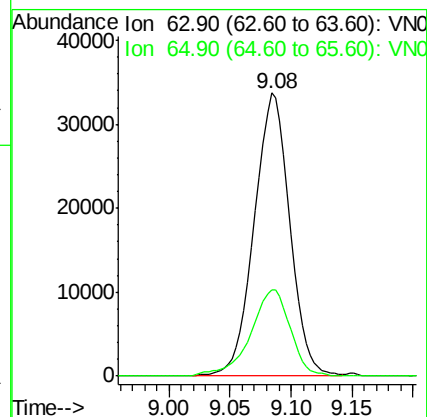
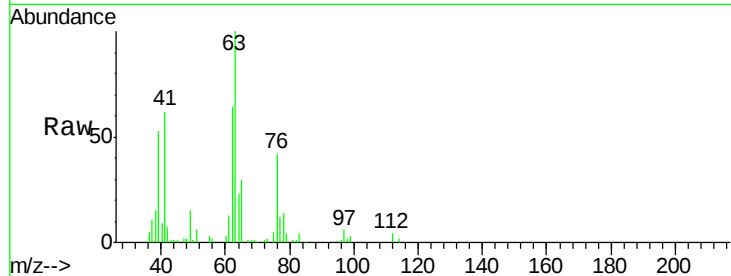
65 30.5 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

10/9/2020 4:53:04 PM



#46

Dibromomethane

Concen: 18.692 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

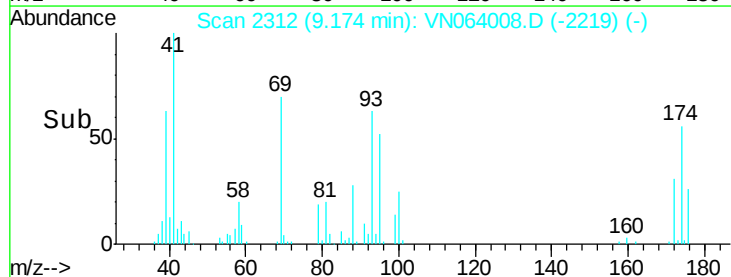
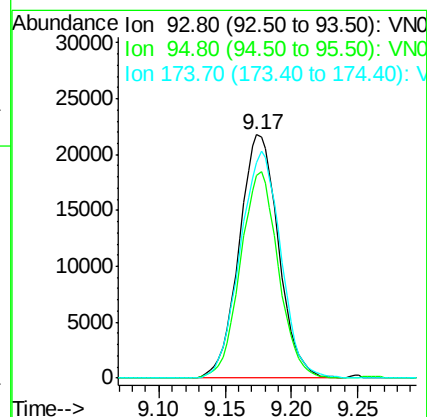
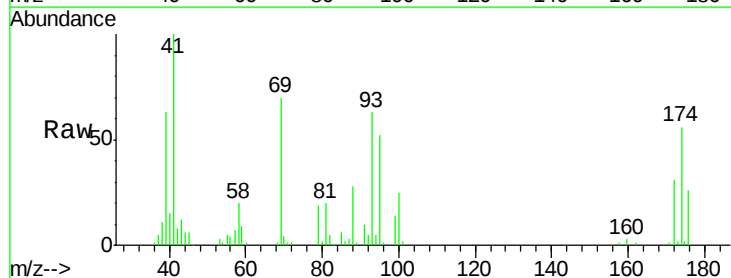
Tgt Ion: 93 Resp: 44938

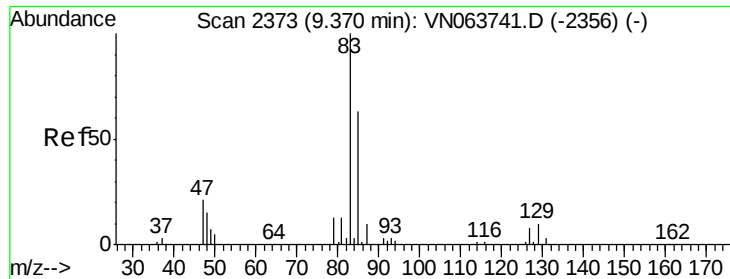
Ion Ratio Lower Upper

93 100

95 81.9 66.3 99.5

174 96.2 72.7 109.1





#47

Bromodichloromethane

Concen: 19.017 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

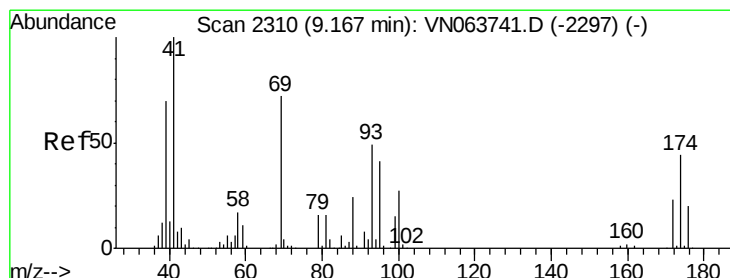
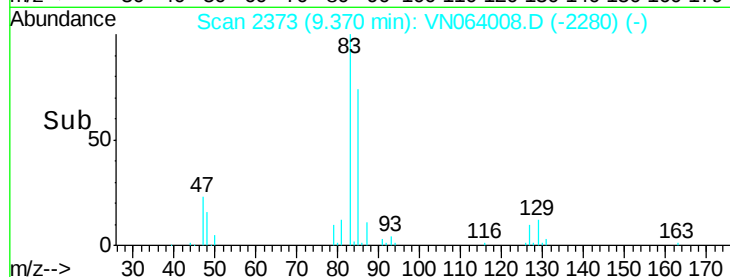
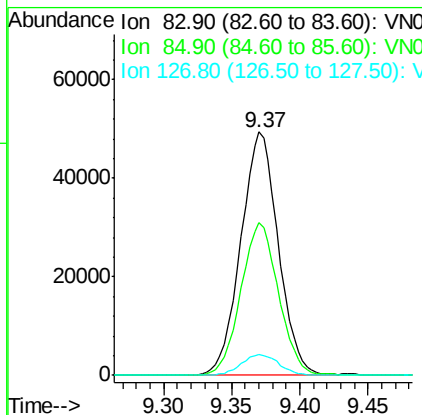
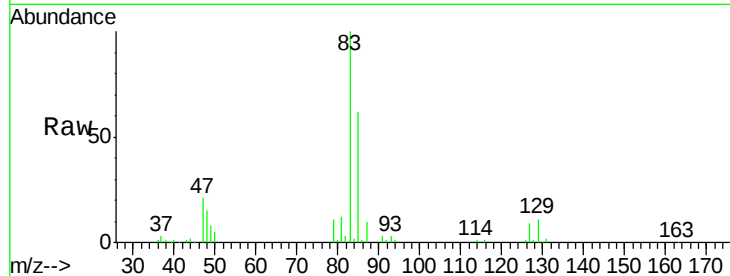
ClientSampleId :

VN1008WBS02

Tot Ion:	83	Resp:	94226
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	75.8
127	8.5	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#48

Methyl methacrylate

Concen: 20.509 ug/l

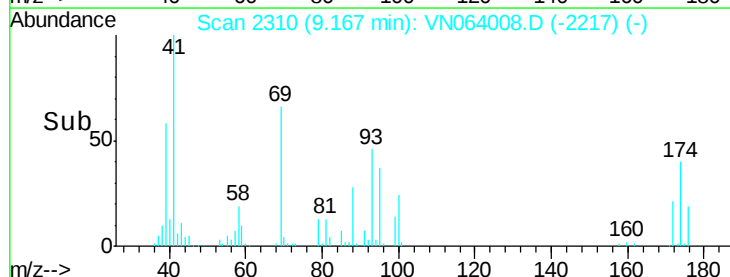
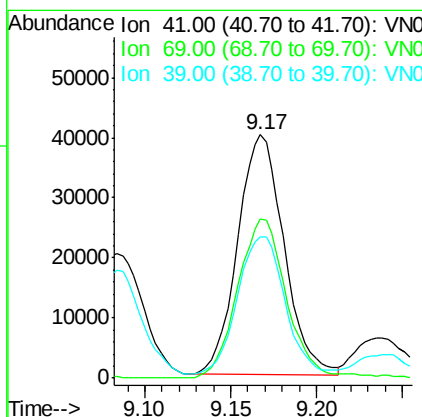
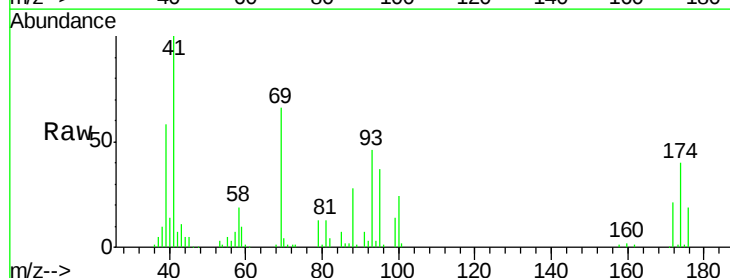
RT: 9.17 min Scan# 2310

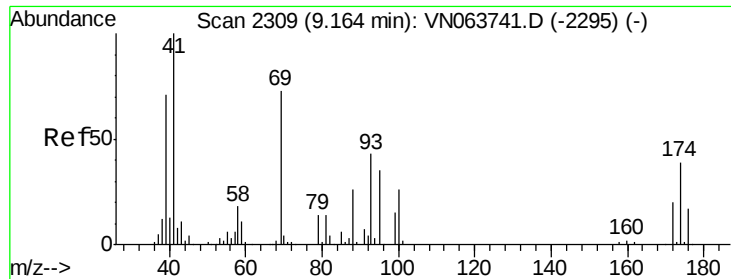
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:	41	Resp:	75020
Ion	Ratio	Lower	Upper
41	100		
69	70.5	60.9	91.3
39	60.7	57.5	86.3





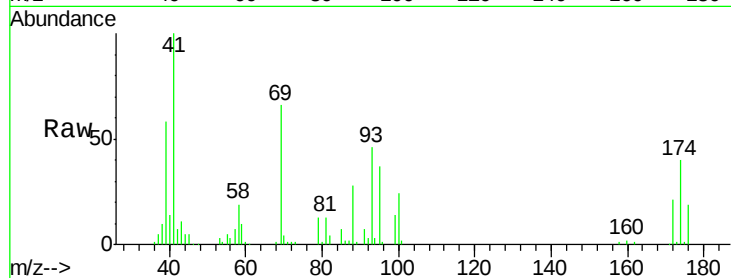
#49
1,4-Dioxane
Concen: 469.168 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	33.1	49.7
58	72.6	58.9	88.3

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM

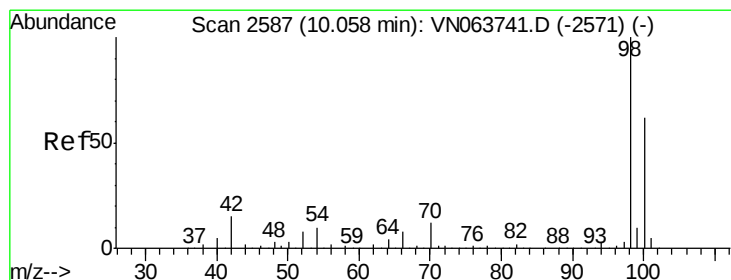
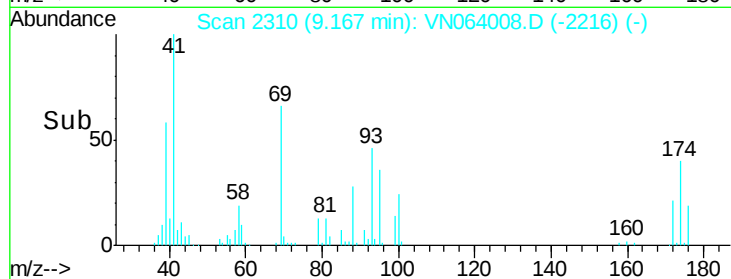
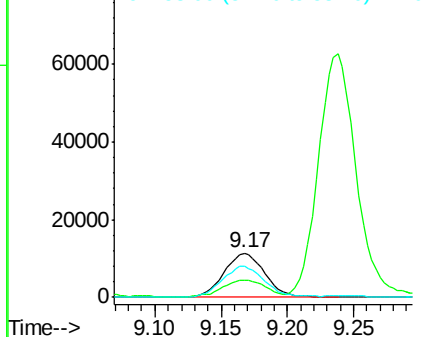


Abundance

Ion 88.00 (87.70 to 88.70): VN063741.D (-2295) (-)

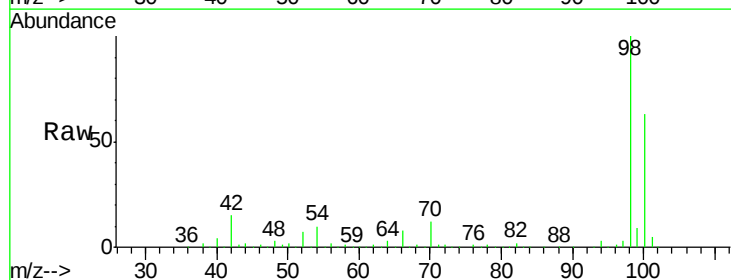
Ion 43.00 (42.70 to 43.70): VN063741.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2295) (-)



#50
Toluene-d8
Concen: 46.127 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

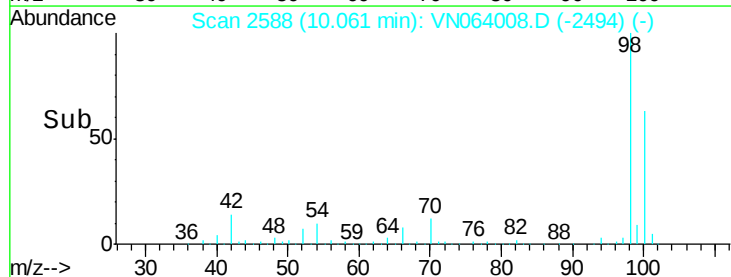
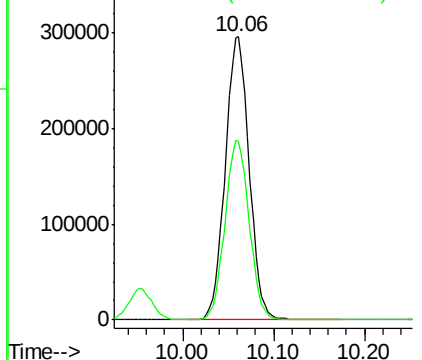
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.8	74.6

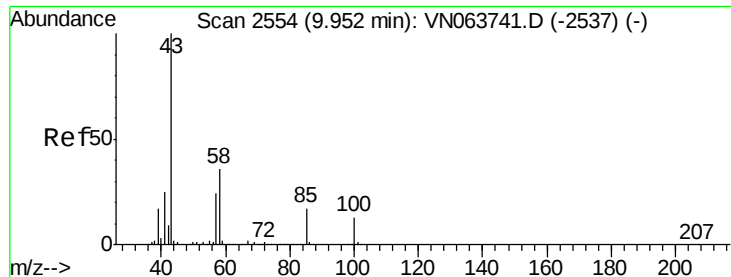


Abundance

Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)





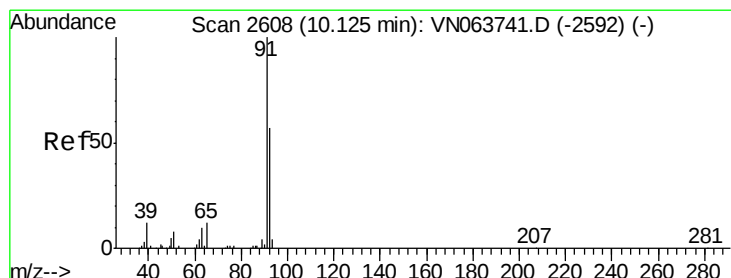
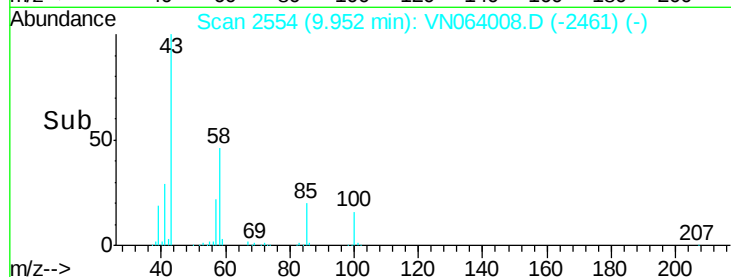
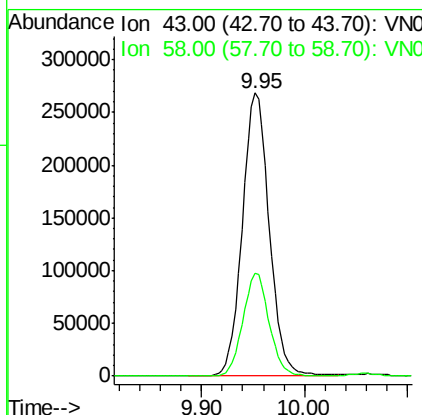
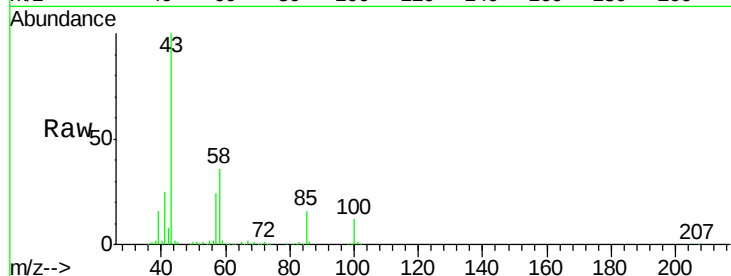
#51
4-Methyl-2-Pentanone
Concen: 111.973 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	43	58	Ratio	Lower	Upper
486511	100	35.5		28.4	42.6

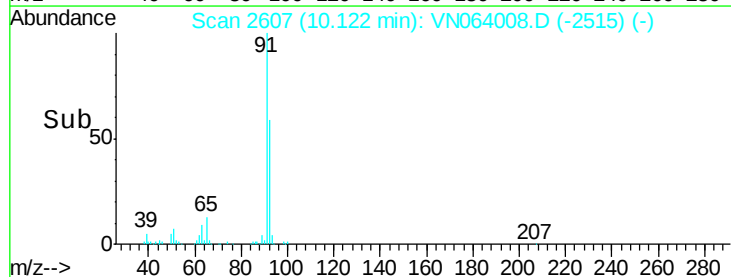
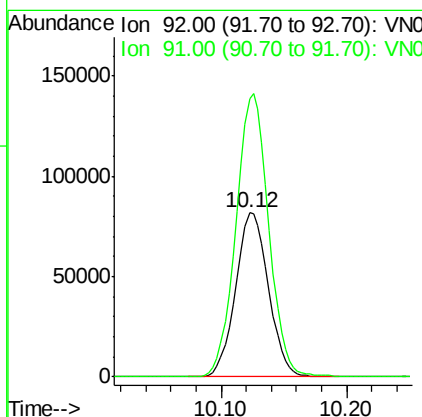
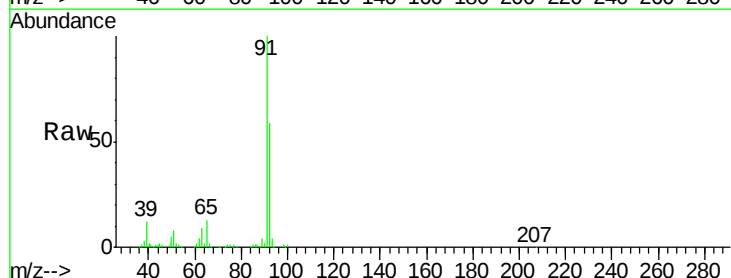
Manual Integrations
APPROVED

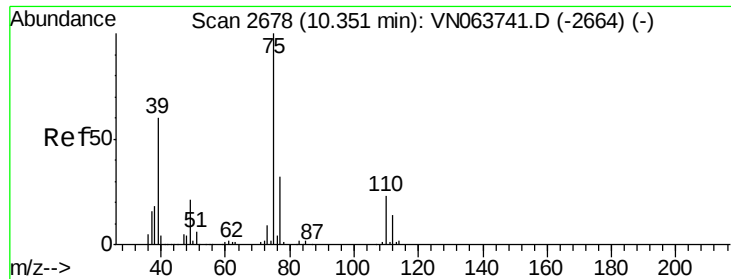
MMDadoda
10/9/2020 4:53:04 PM



#52
Toluene
Concen: 18.665 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	92	91	Ratio	Lower	Upper
148984	100	171.3		140.6	210.8





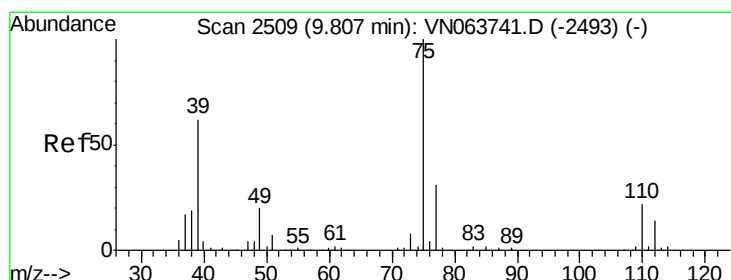
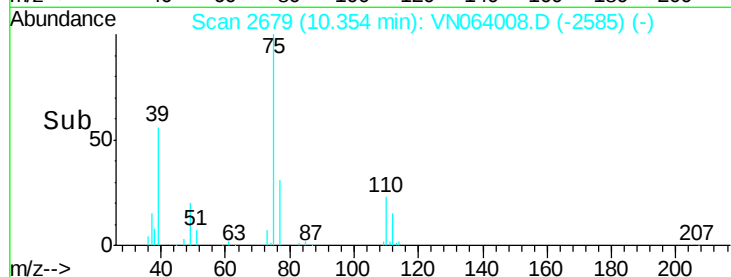
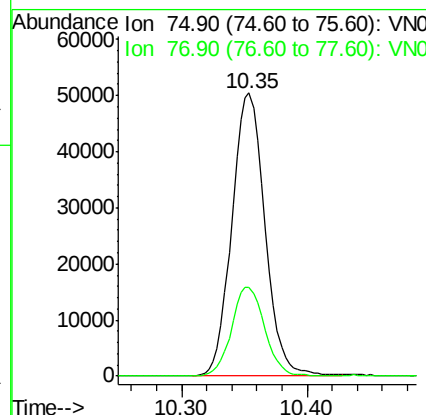
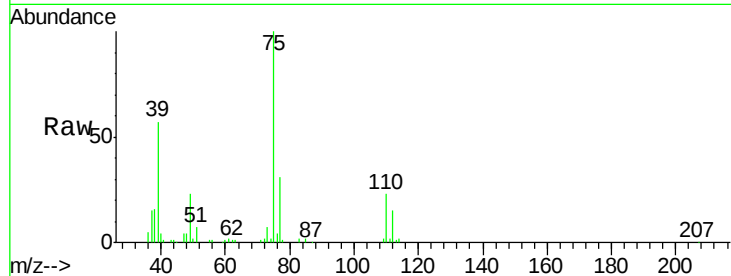
#53
t-1,3-Dichloropropene
Concen: 17.396 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion: 75 Resp: 92396
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9

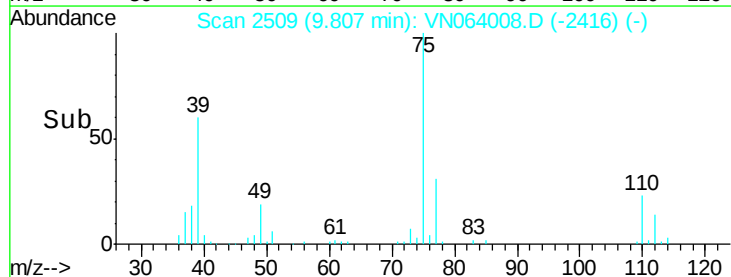
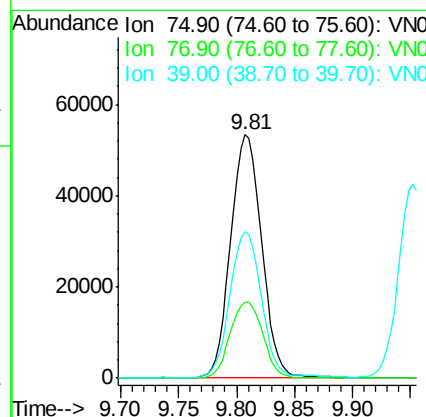
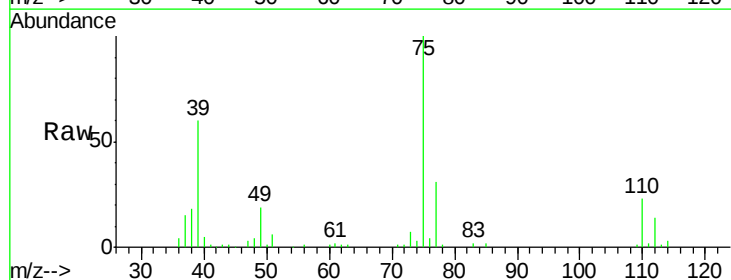
Manual Integrations
APPROVED

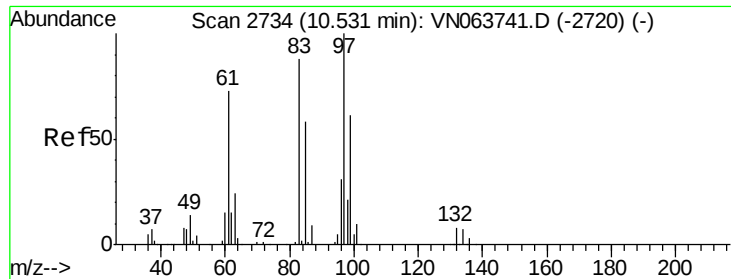
MMDadoda
10/9/2020 4:53:04 PM



#54
cis-1,3-Dichloropropene
Concen: 17.805 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion: 75 Resp: 98904
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 60.2 49.7 74.5





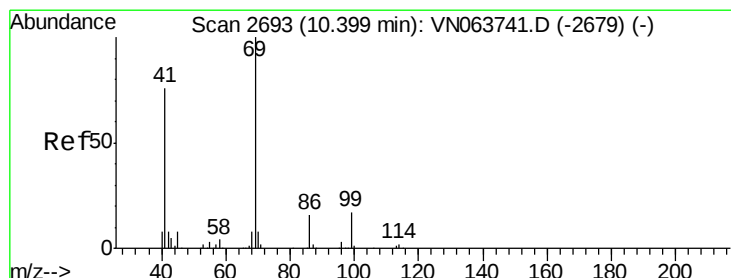
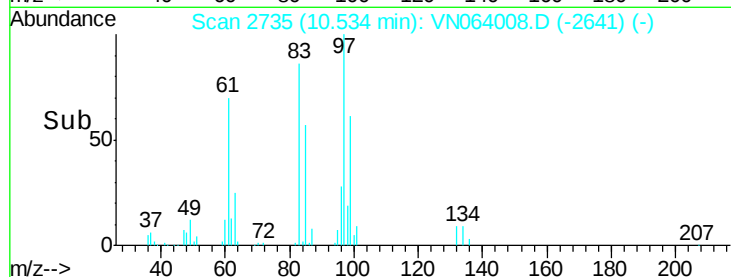
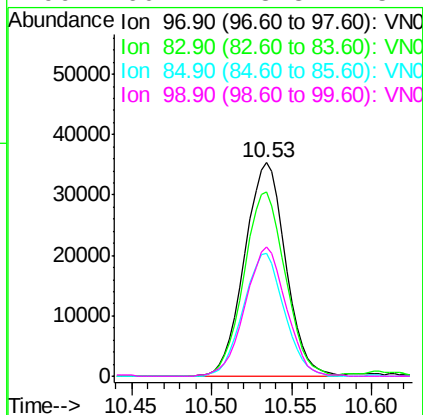
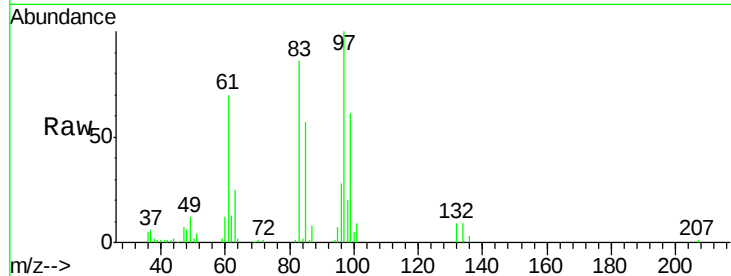
#55
 1,1,2-Trichloroethane
 Concen: 19.413 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.7	106.1
85	57.4	46.1	69.1
99	60.7	48.8	73.2

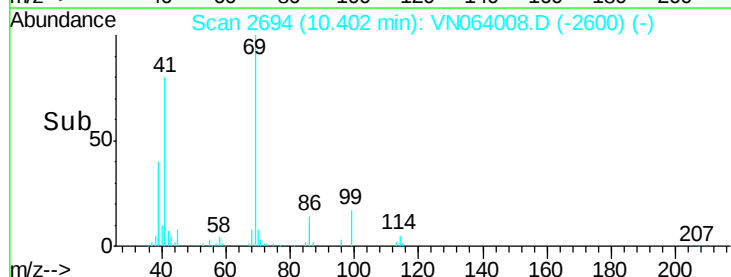
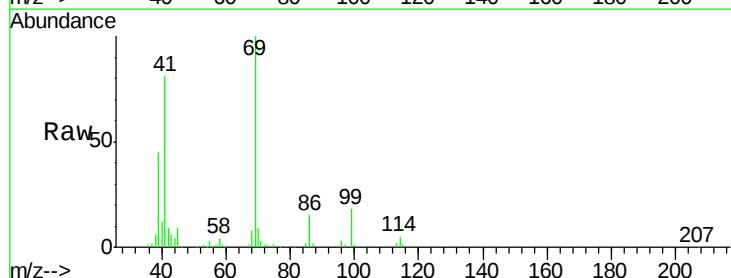
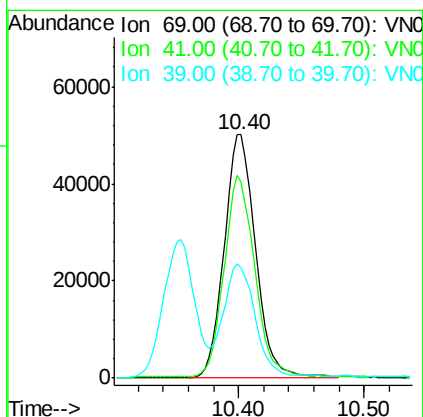
Manual Integrations
 APPROVED

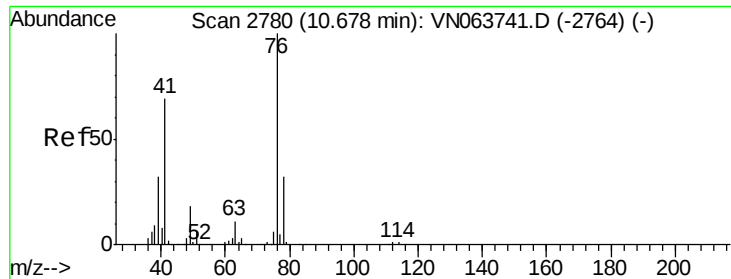
MMDadoda
 10/9/2020 4:53:04 PM



#56
 Ethyl methacrylate
 Concen: 19.223 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.0	61.1	91.7
39	47.1	42.2	63.4





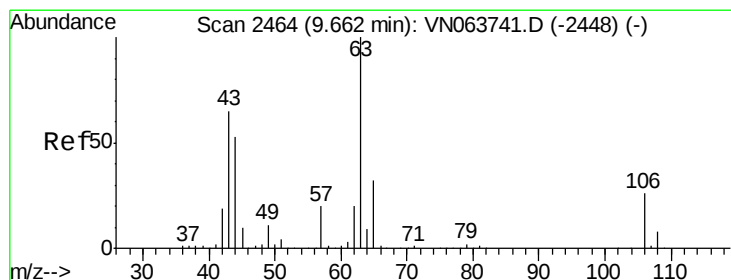
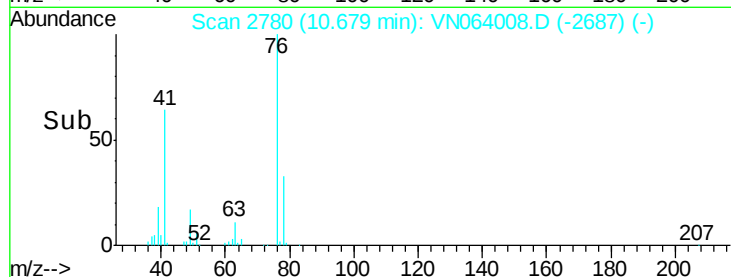
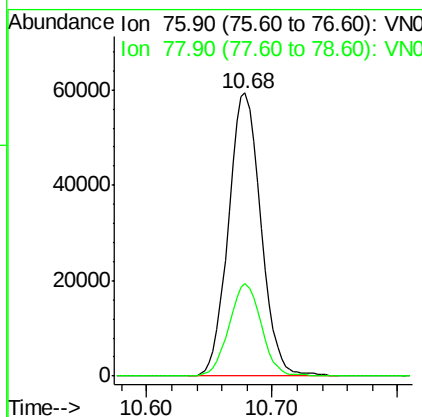
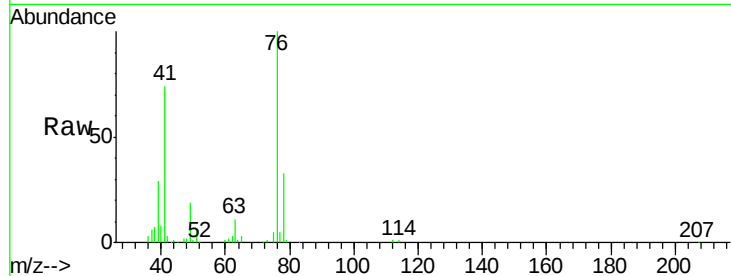
#57
 1,3-Dichloropropane
 Concen: 19.698 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion: 76 Resp: 106673
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

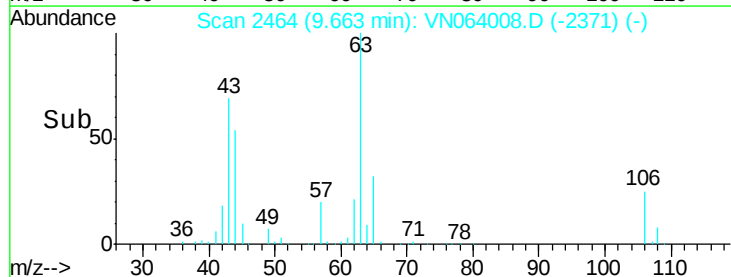
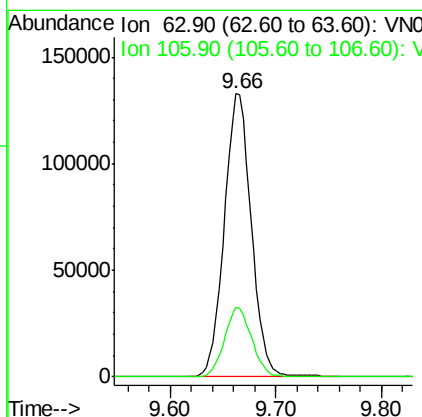
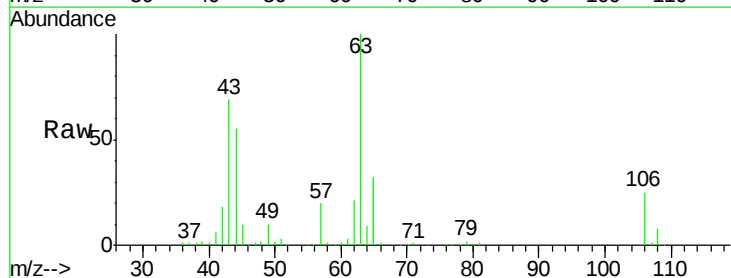
Manual Integrations
 APPROVED

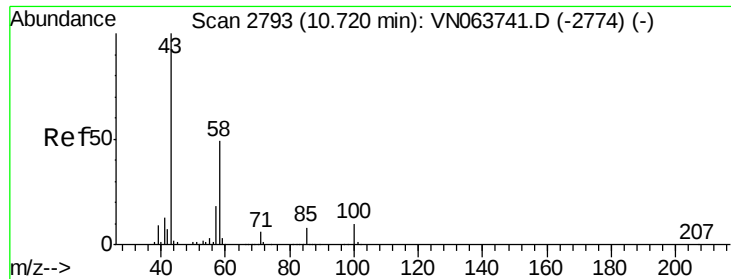
MMDadoda
 10/9/2020 4:53:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.985 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion: 63 Resp: 235387
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.7 31.1





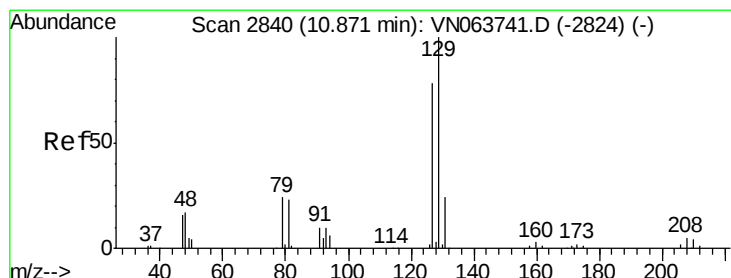
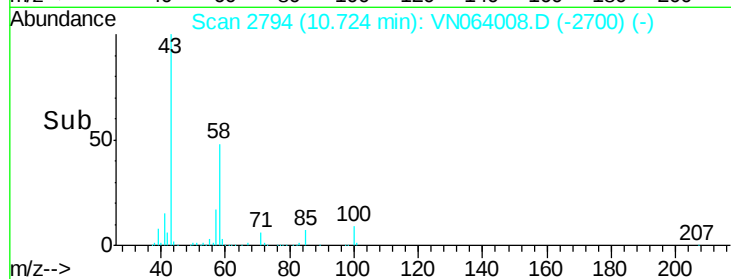
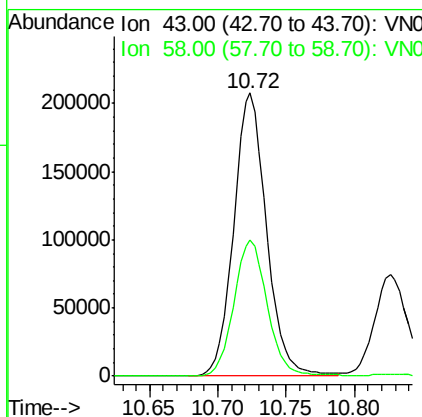
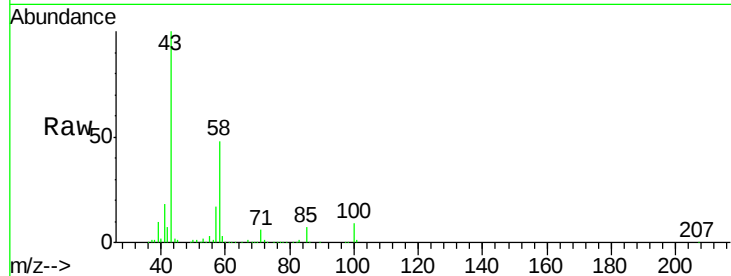
#59
2-Hexanone
Concen: 106.967 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	43	Resp	345256
Ion Ratio	100	Lower	Upper
43	100		
58	49.1	24.6	73.8

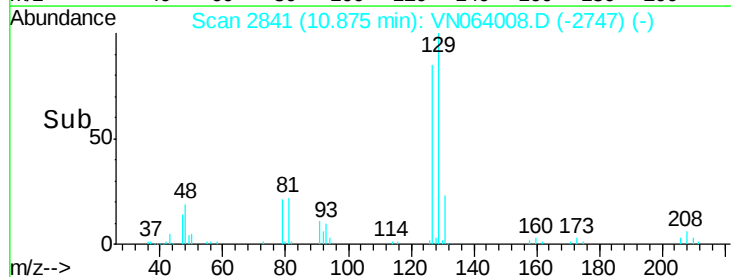
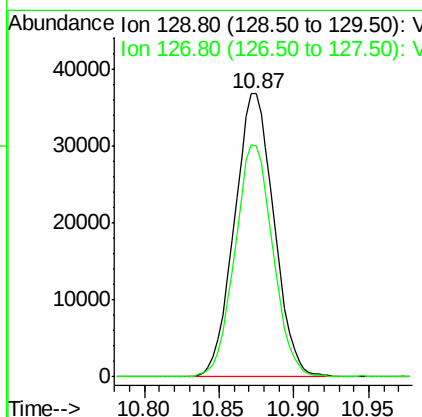
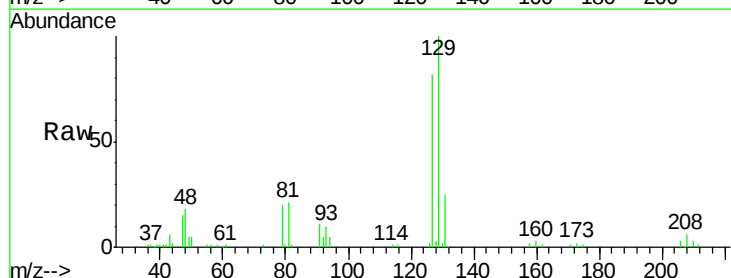
Manual Integrations
APPROVED

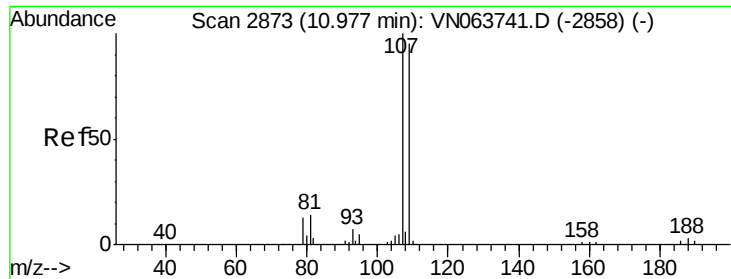
MMDadoda
10/9/2020 4:53:04 PM



#60
Dibromochloromethane
Concen: 18.162 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	129	Resp	67704
Ion Ratio	100	Lower	Upper
129	100		
127	78.7	38.9	116.7





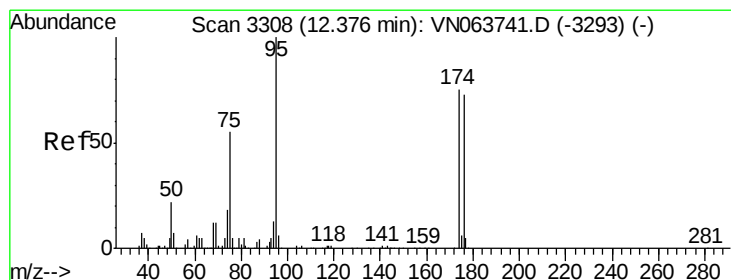
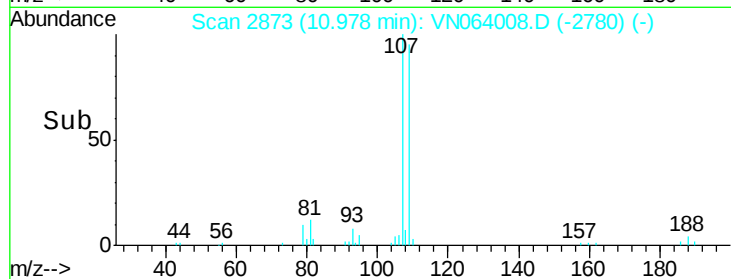
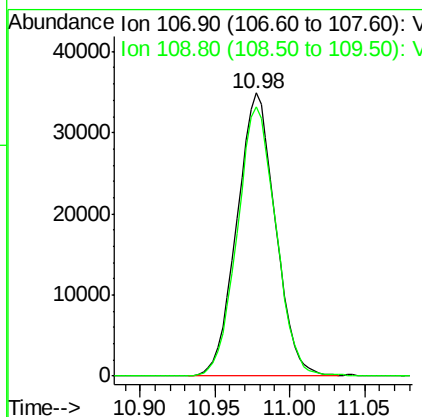
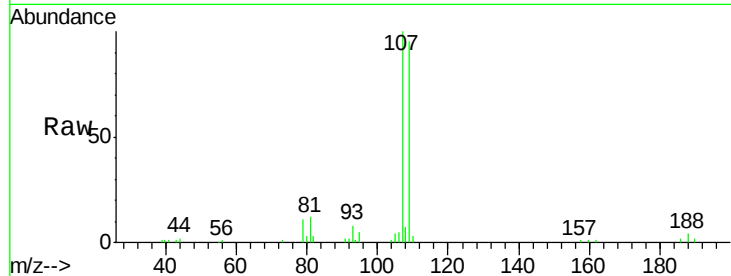
#61
 1,2-Dibromoethane
 Concen: 19.106 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.8	112.2

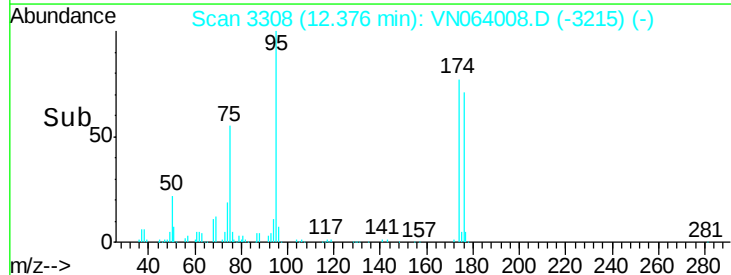
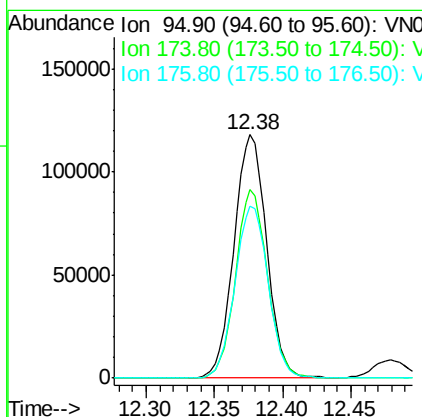
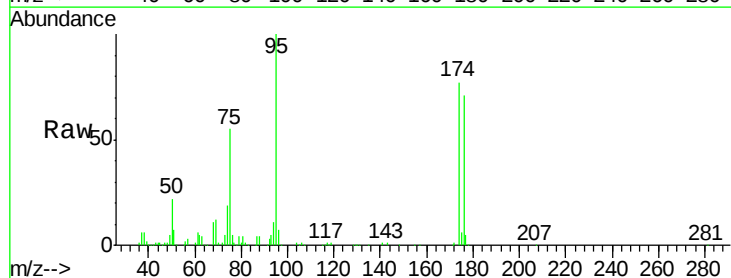
Manual Integrations
 APPROVED

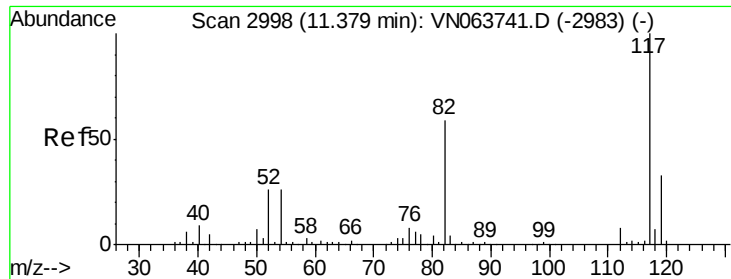
MMDadoda
 10/9/2020 4:53:04 PM



#62
 4-Bromofluorobenzene
 Concen: 44.456 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	150.6
176	72.2	0.0	145.4





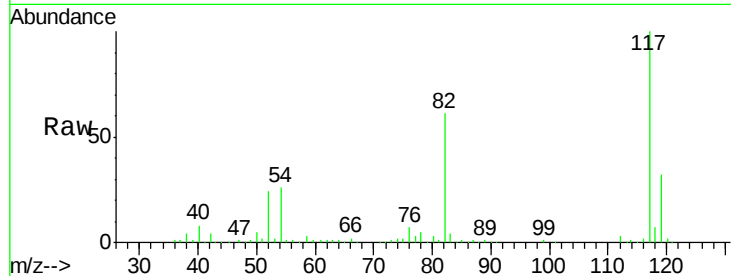
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.4	71.2
119	31.8	26.4	39.6

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM

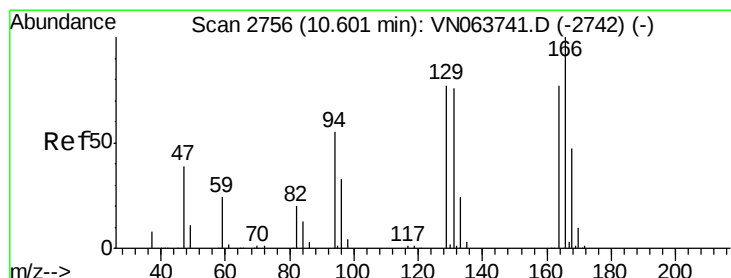
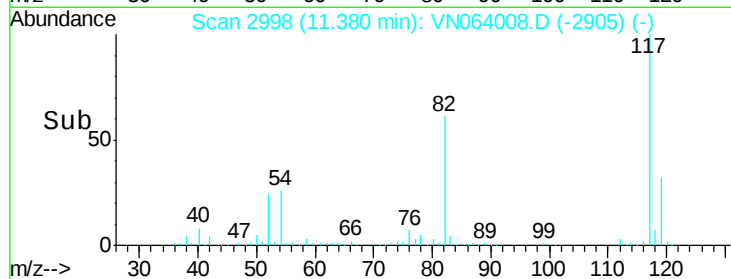
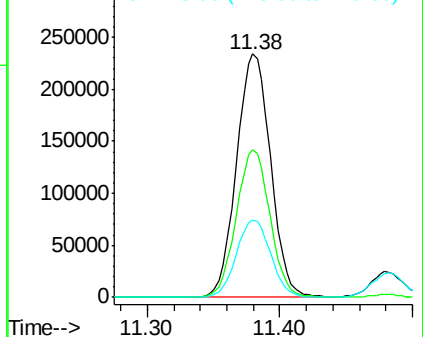


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 16.979 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	103.9	155.9
129	97.6	80.3	120.5
131	95.7	78.9	118.3

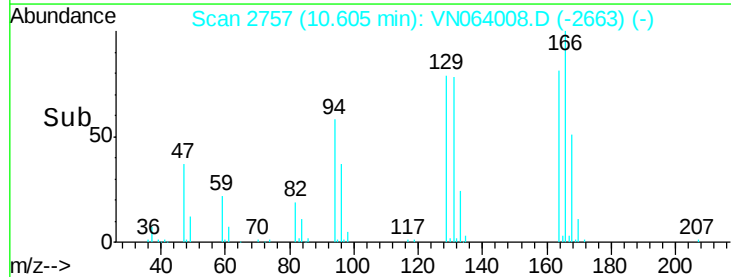
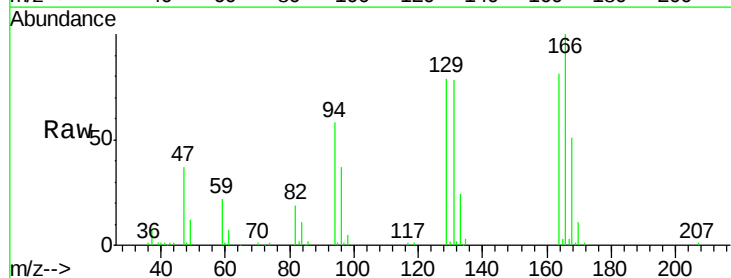
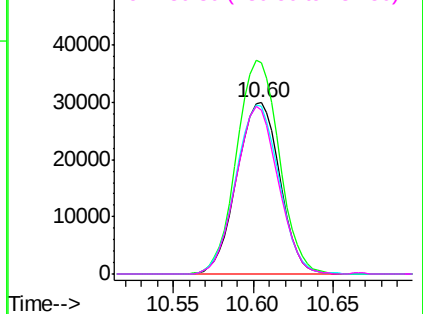
Abundance

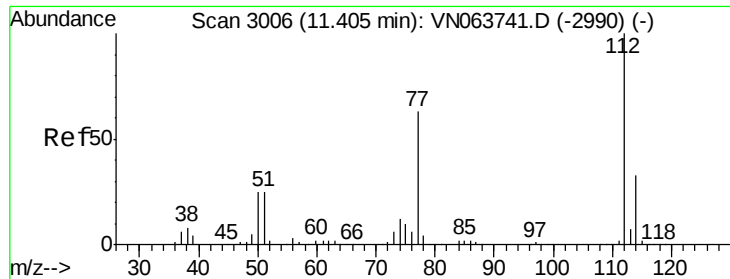
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





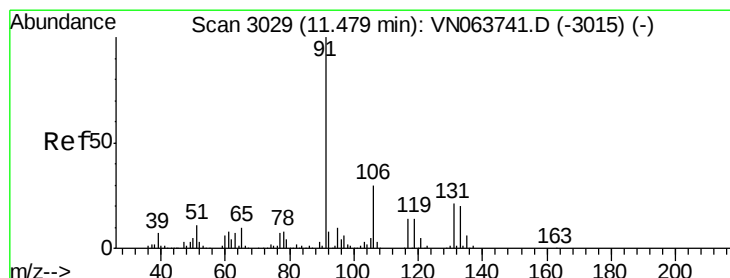
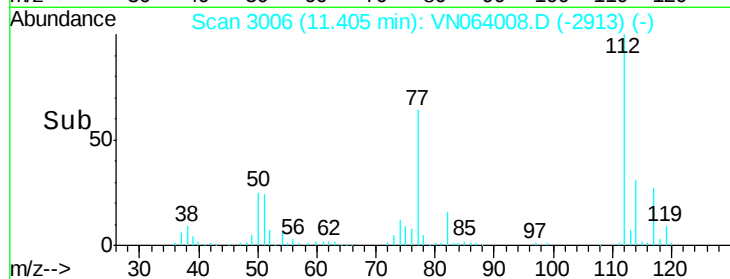
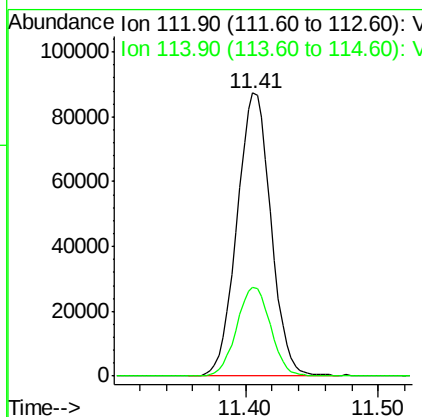
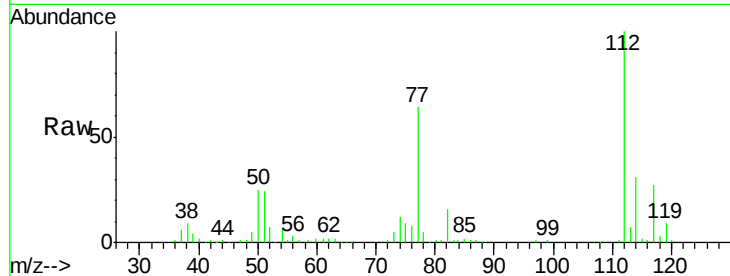
#65
Chlorobenzene
Concen: 18.161 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion:112 Resp: 155348
Ion Ratio Lower Upper
112 100
114 31.5 26.1 39.1

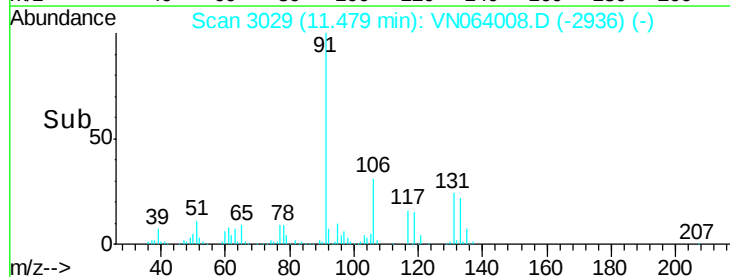
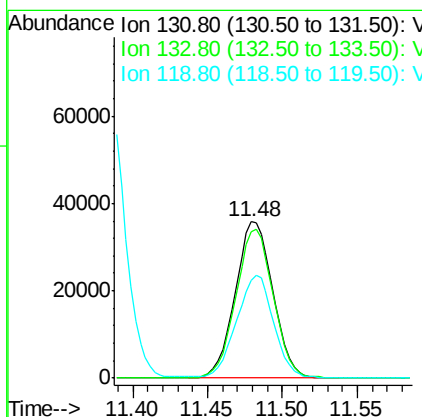
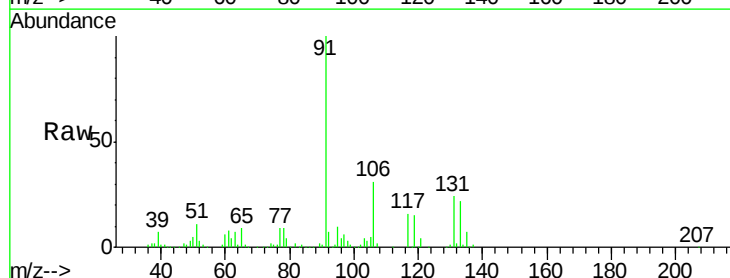
Manual Integrations
APPROVED

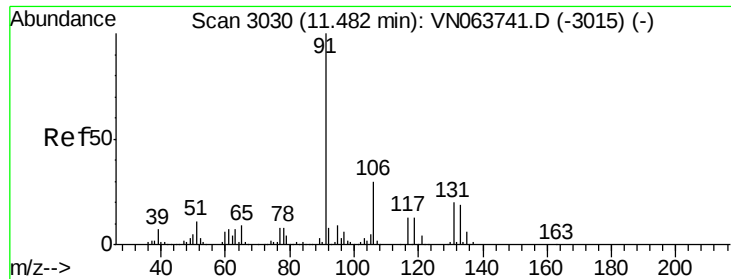
MMDadoda
10/9/2020 4:53:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.171 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion:131 Resp: 62868
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.8
119 64.7 32.6 97.7





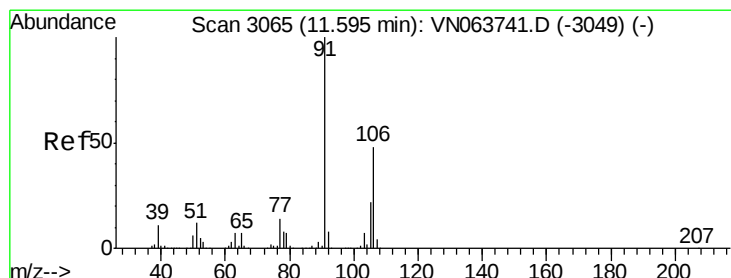
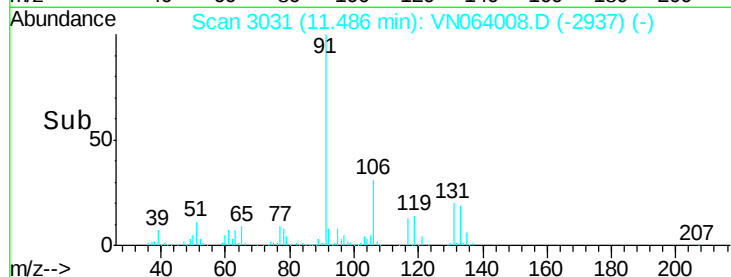
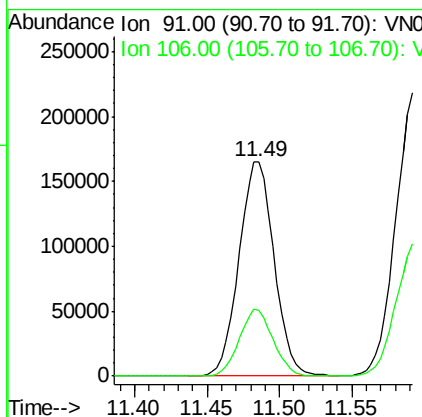
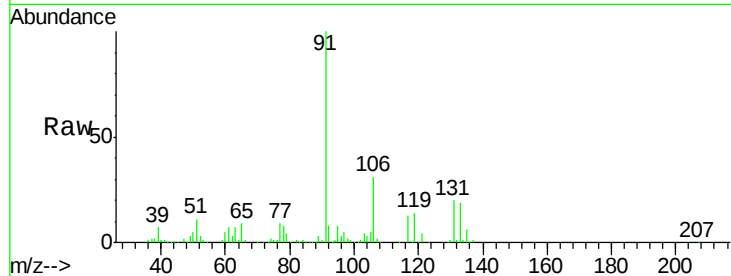
#67
Ethyl Benzene
Concen: 17.892 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion: 91 Resp: 278482
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2

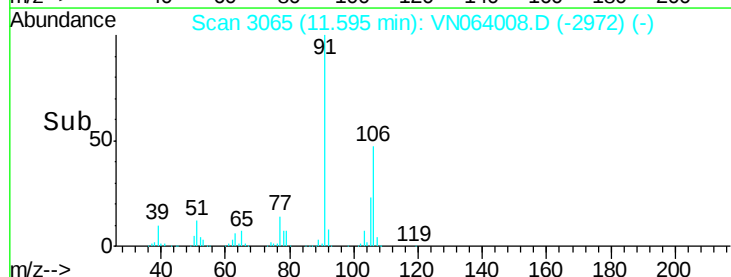
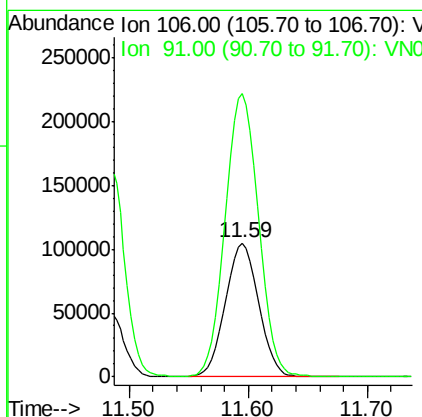
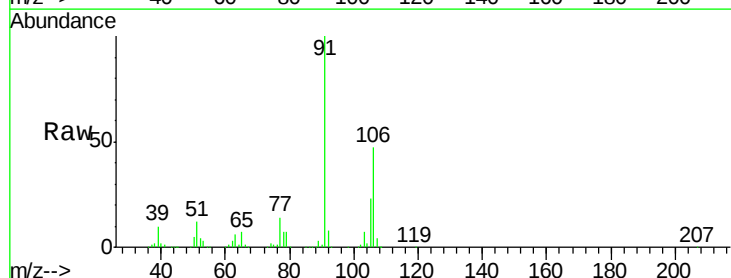
Manual Integrations
APPROVED

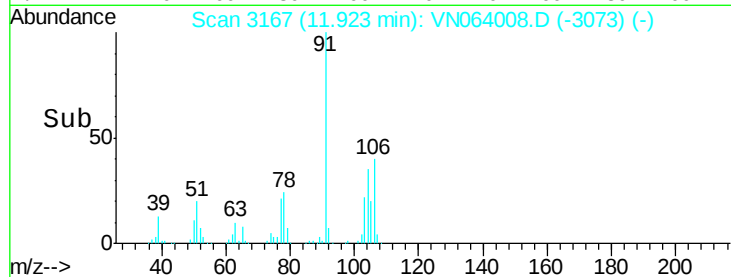
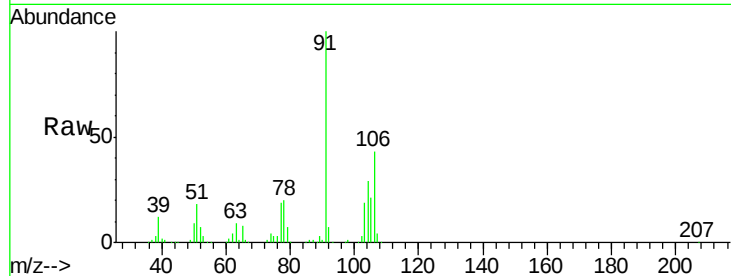
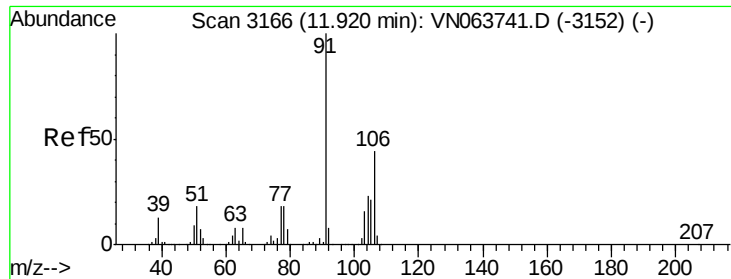
MMDadoda
10/9/2020 4:53:04 PM



#68
m/p-Xylenes
Concen: 35.081 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion: 106 Resp: 203503
Ion Ratio Lower Upper
106 100
91 210.6 168.0 252.0





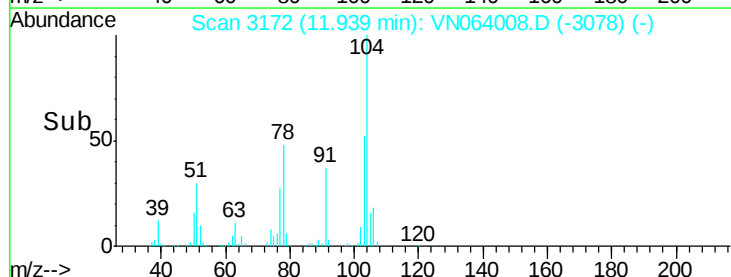
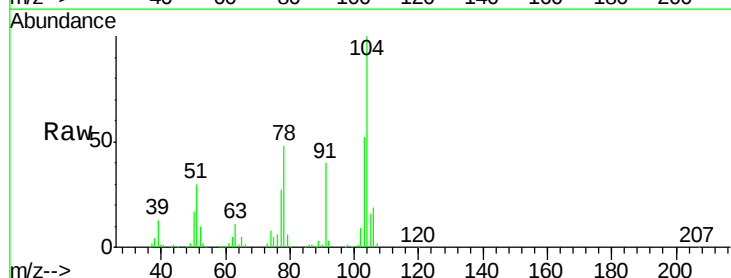
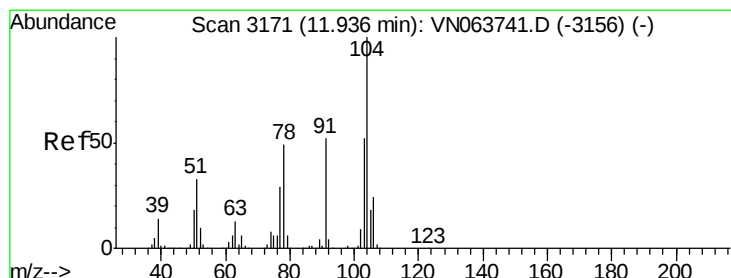
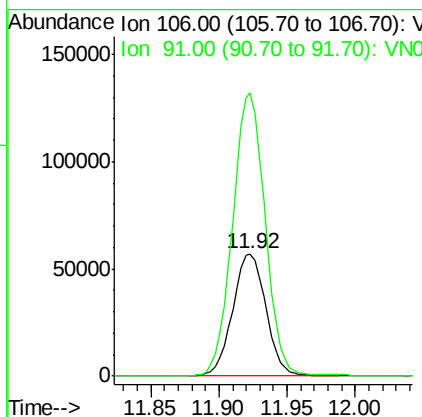
#69
o-Xylene
Concen: 17.811 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tot Ion:106 Resp: 96569
Ion Ratio Lower Upper
106 100
91 226.4 112.7 338.0

Instrument :
MSVOA_N
ClientSampled :
VN1008WBS02

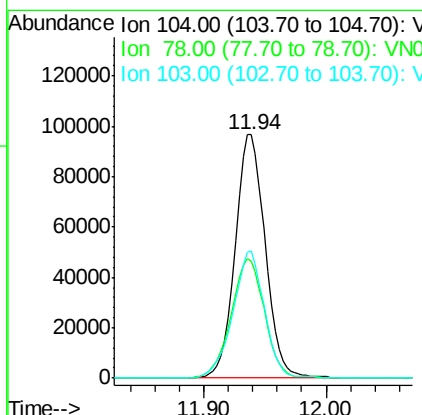
Manual Integrations
APPROVED

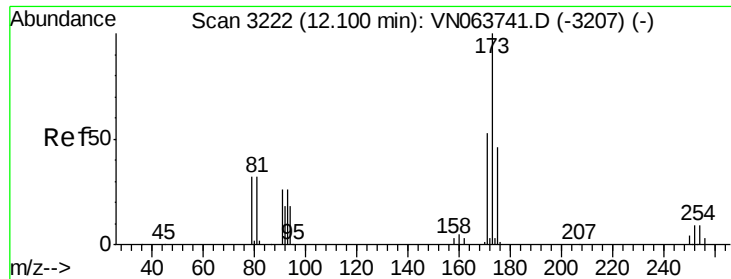
MMDadoda
10/9/2020 4:53:04 PM



#70
Styrene
Concen: 17.903 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion:104 Resp: 164771
Ion Ratio Lower Upper
104 100
78 54.7 44.1 66.1
103 55.2 44.3 66.5





#71

Bromoform

Concen: 18.606 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

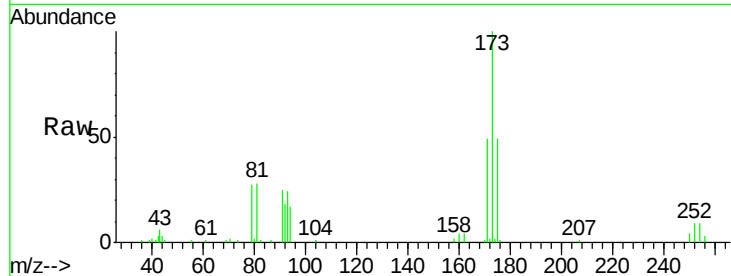
VN1008WBS02

Tot Ion:173 Resp: 46663

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

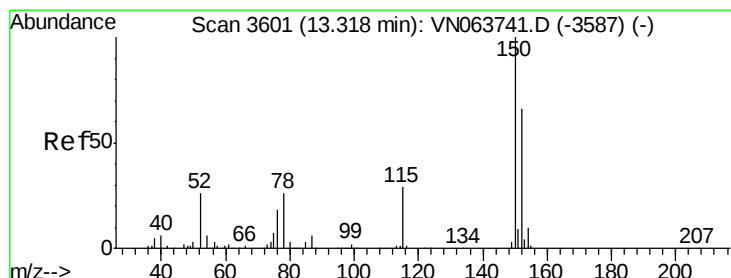
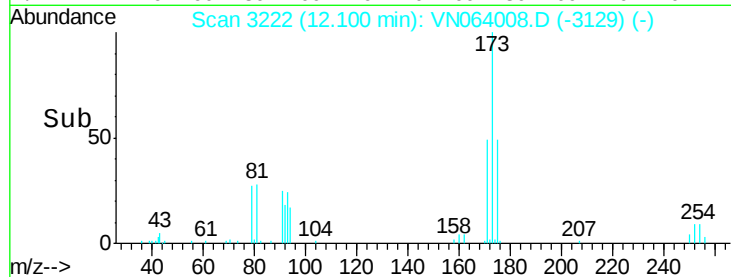
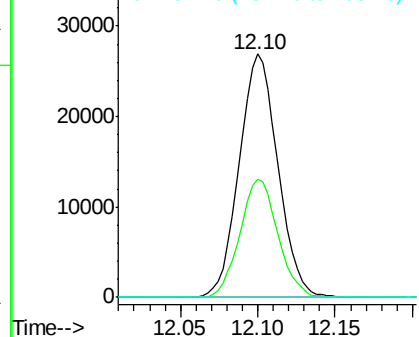
MMDadoda
10/9/2020 4:53:04 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

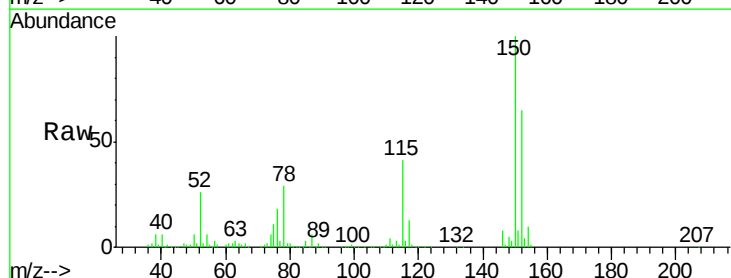
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:152 Resp: 188238

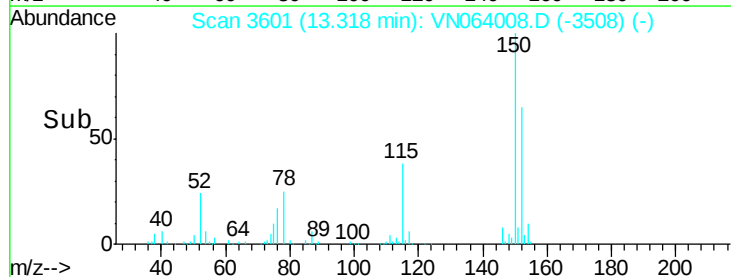
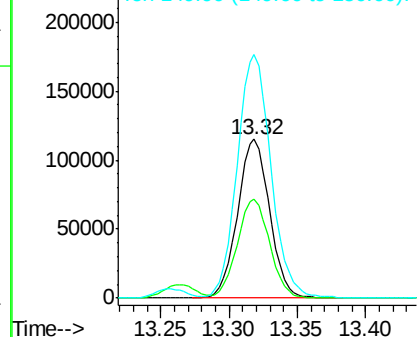
Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.8
150	160.1	0.0	341.8

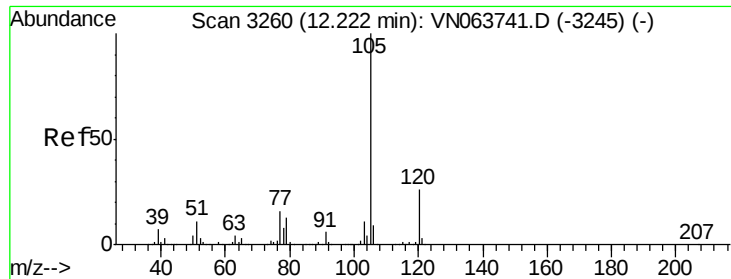


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.650 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion: 105 Resp: 256058

Ion Ratio Lower Upper

105 100

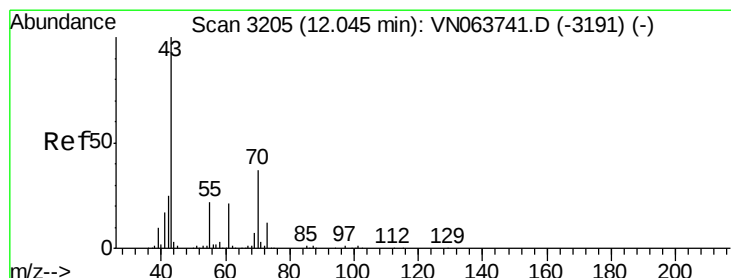
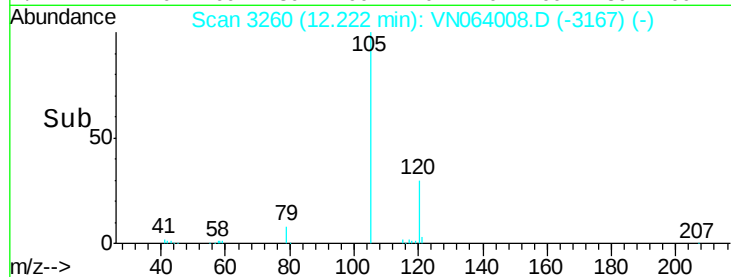
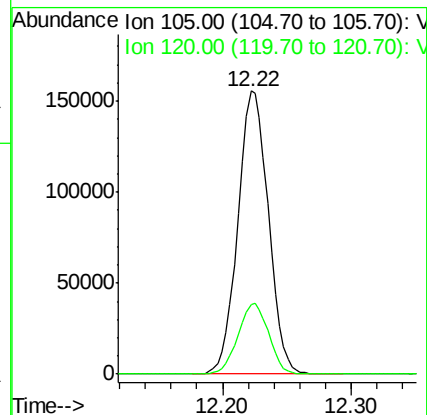
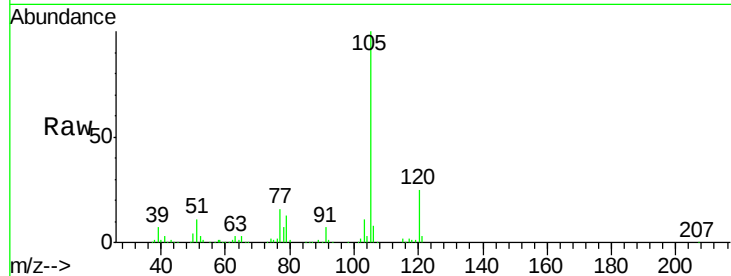
120 24.9 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

10/9/2020 4:53:04 PM



#74

N-ethyl acetate

Concen: 20.759 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion: 43 Resp: 123821

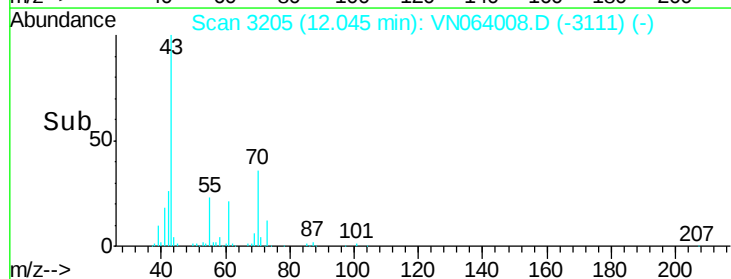
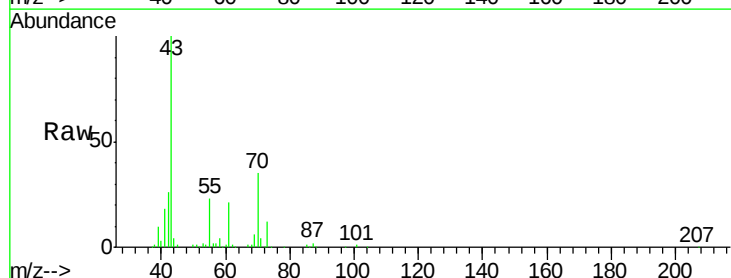
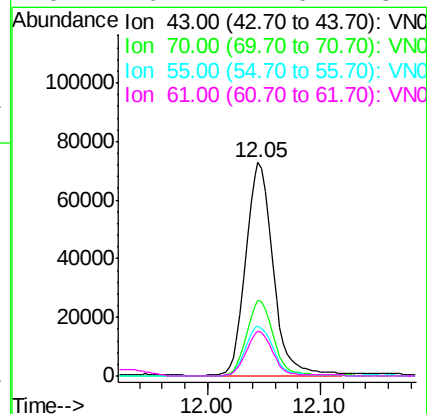
Ion Ratio Lower Upper

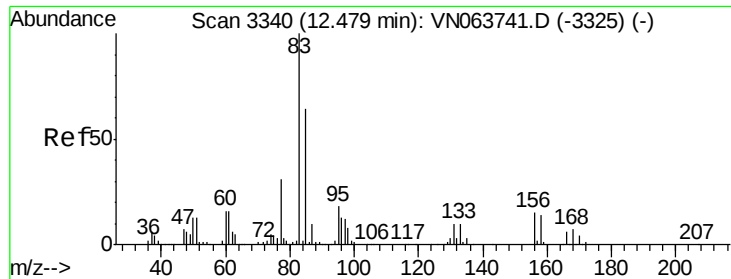
43 100

70 34.8 29.8 44.8

55 23.5 17.9 26.9

61 20.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.462 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

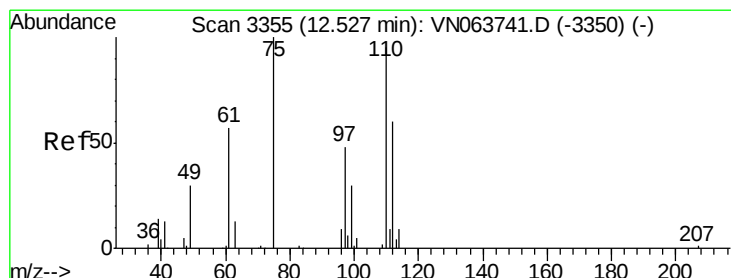
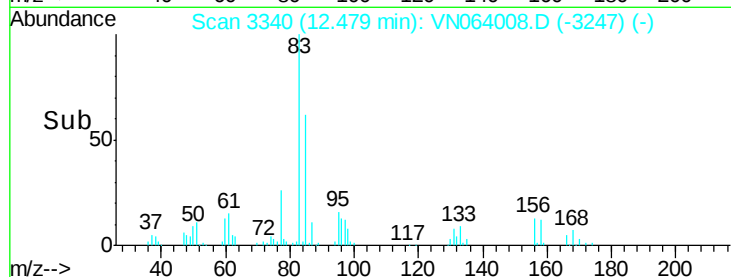
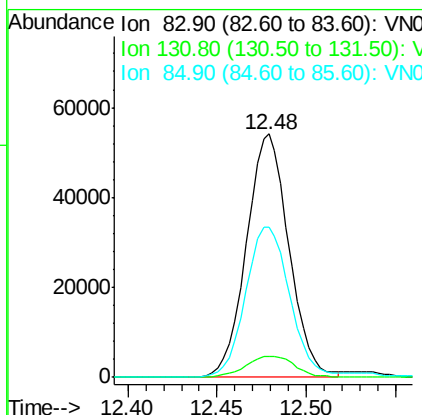
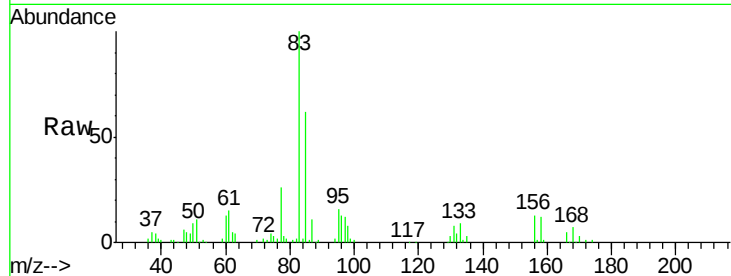
ClientSampleId :

VN1008WBS02

Tot Ion:	83	Resp:	90107
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	64.8	31.3	93.8

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#76

1,2,3-Trichloropropane

Concen: 20.299 ug/l m

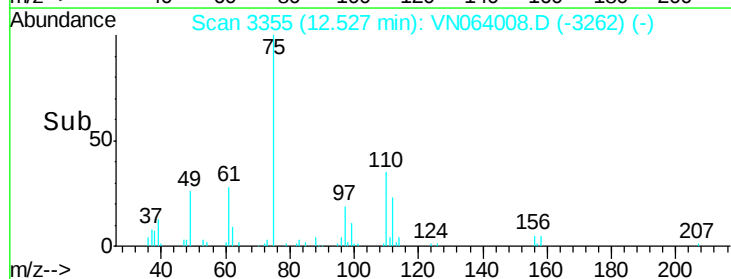
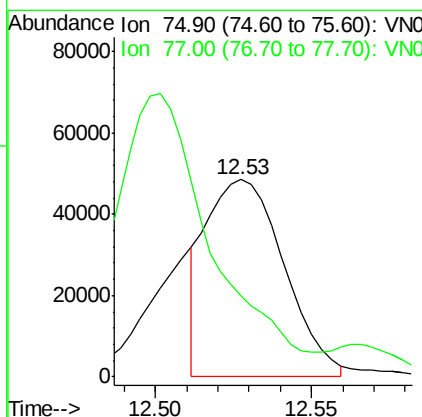
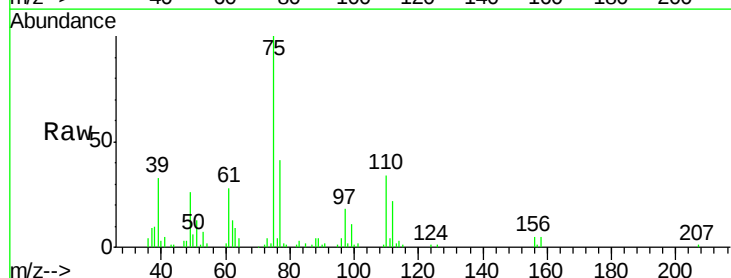
RT: 12.53 min Scan# 3355

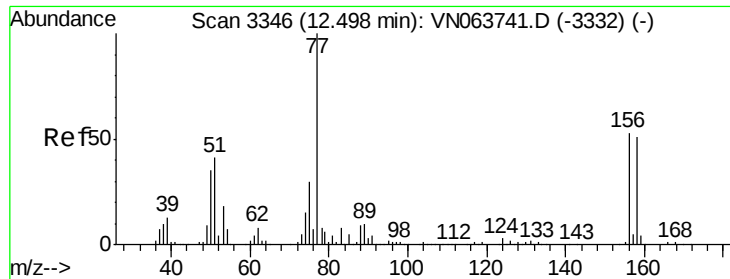
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:	75	Resp:	84229
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.753 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion:156 Resp: 66546

Ion Ratio Lower Upper

156 100

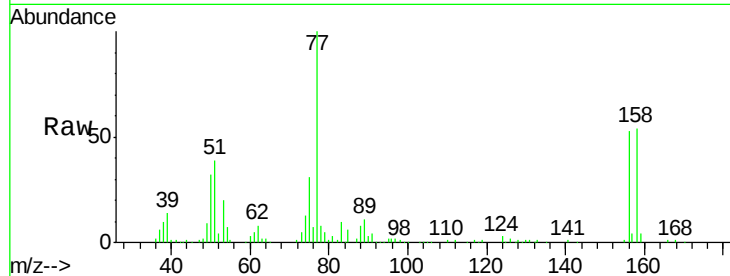
77 225.8 110.9 332.7

158 98.7 47.7 143.1

Manual Integrations
APPROVED

MMDadoda

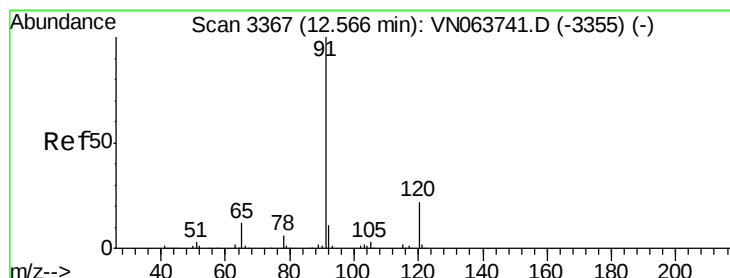
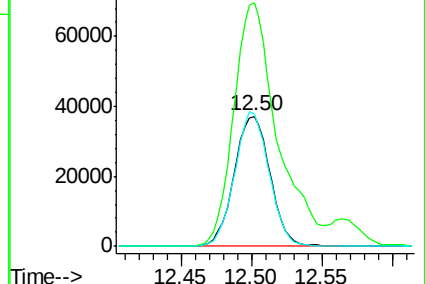
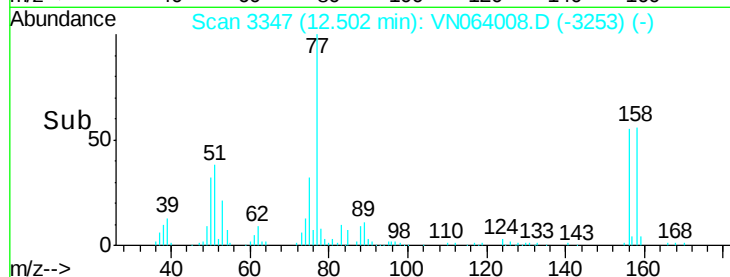
10/9/2020 4:53:04 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.023 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064008.D

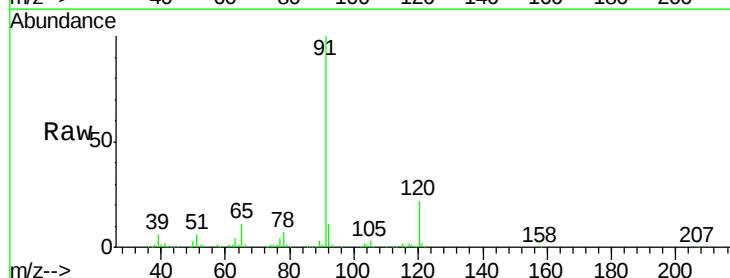
Acq: 9 Oct 2020 00:04

Tgt Ion: 91 Resp: 287995

Ion Ratio Lower Upper

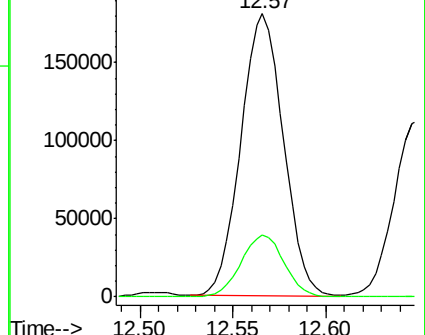
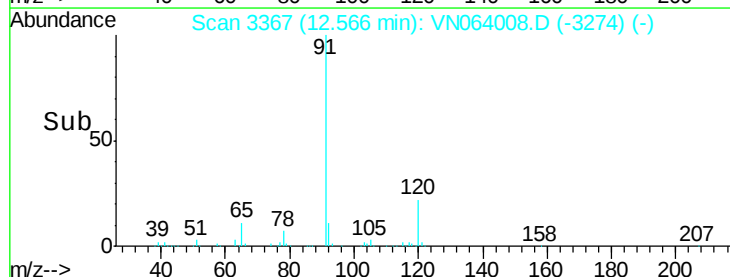
91 100

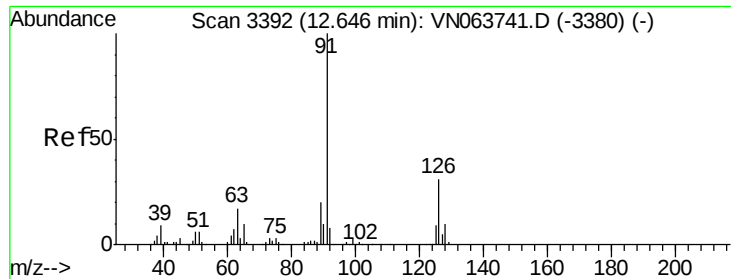
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





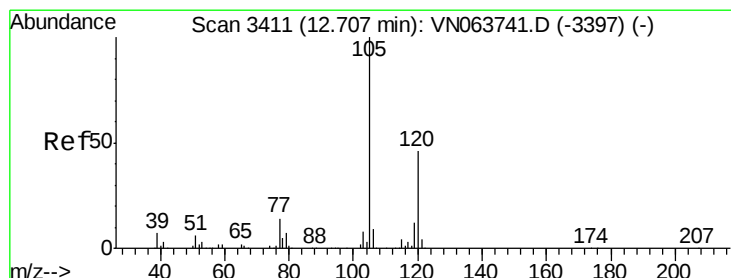
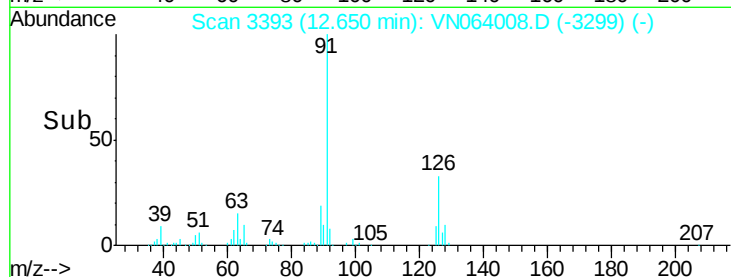
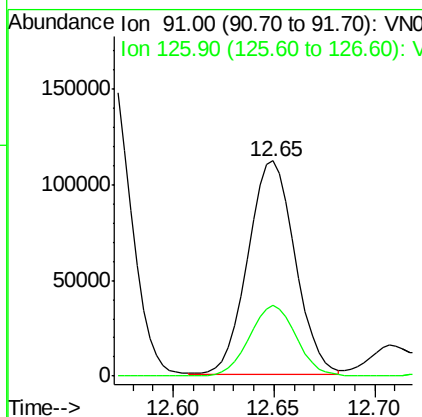
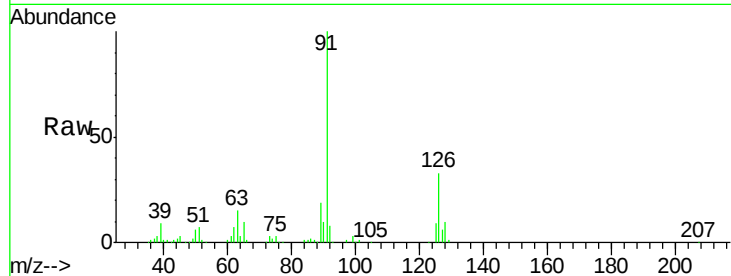
#79
 2-Chlorotoluene
 Concen: 18.704 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion: 91 Resp: 183812
 Ion Ratio Lower Upper
 91 100
 126 32.8 15.9 47.7

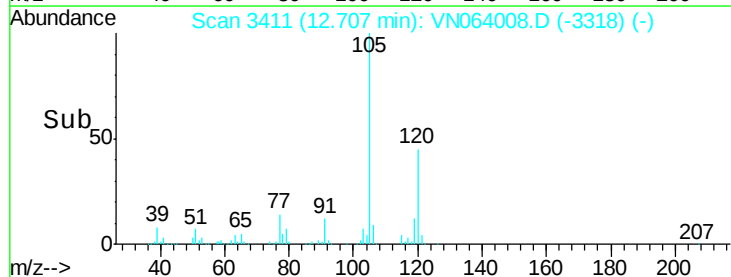
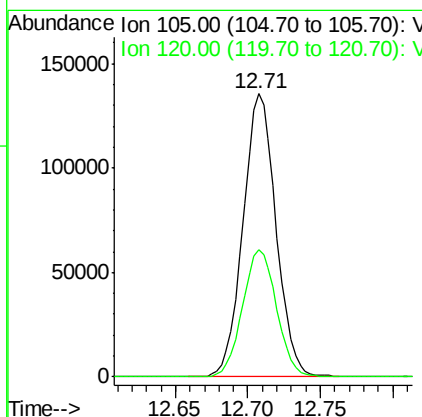
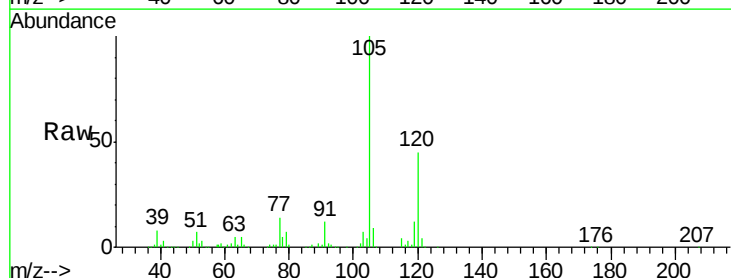
Manual Integrations
 APPROVED

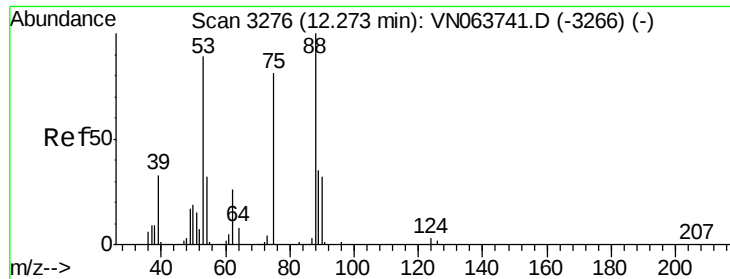
MMDadoda
 10/9/2020 4:53:04 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.638 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion: 105 Resp: 214684
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.824 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

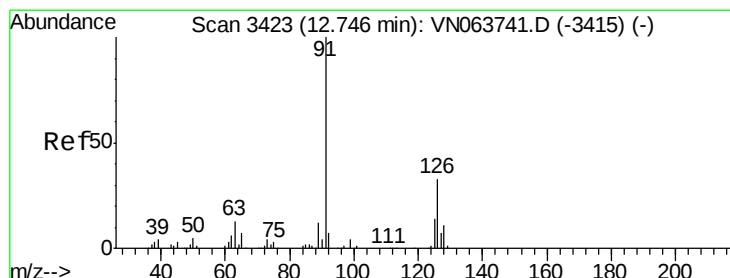
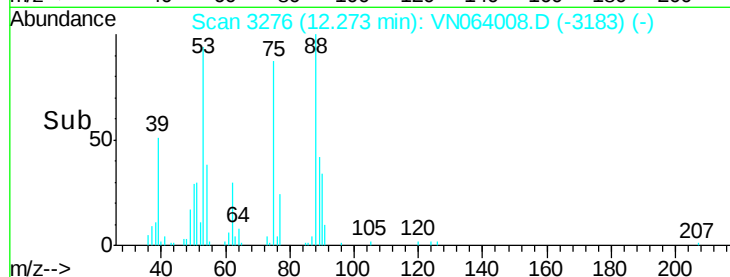
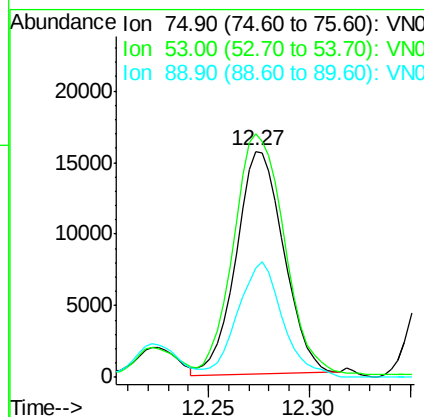
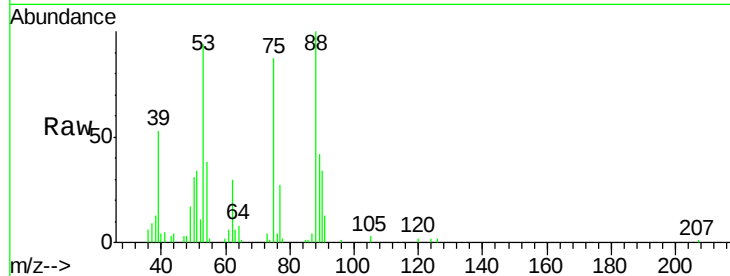
ClientSampleId :

VN1008WBS02

Tot Ion:	75	Resp:	25680
Ion	Ratio	Lower	Upper
75	100		
53	116.8	88.2	132.2
89	49.3	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#82

4-Chlorotoluene

Concen: 18.334 ug/l

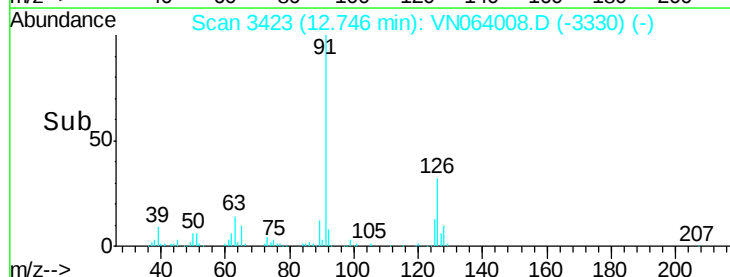
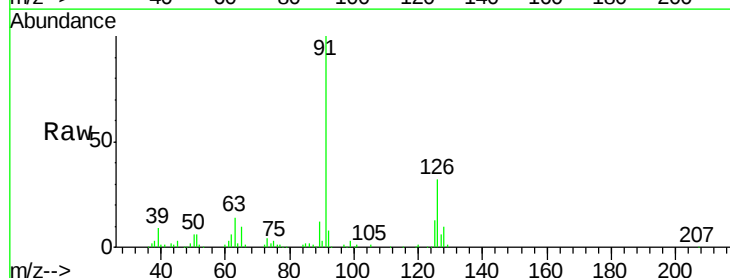
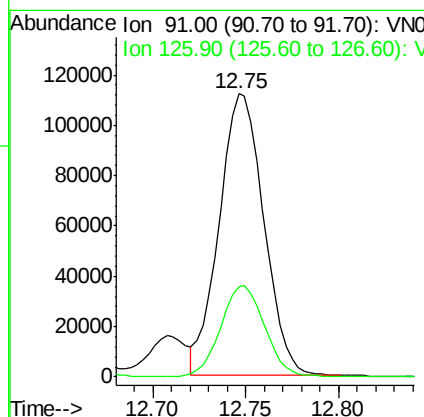
RT: 12.75 min Scan# 3423

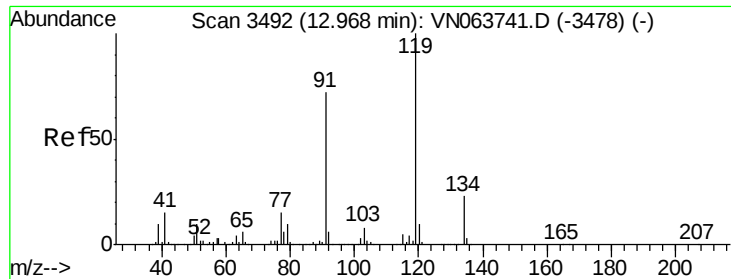
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:	91	Resp:	187043
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.4	46.2





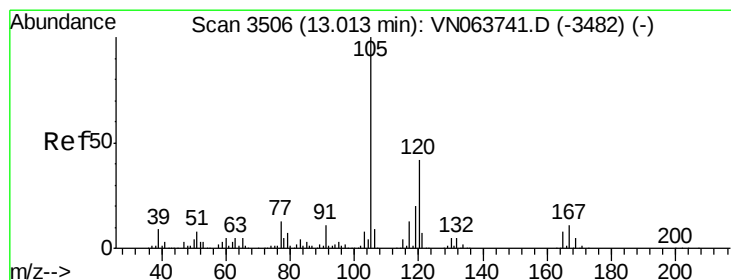
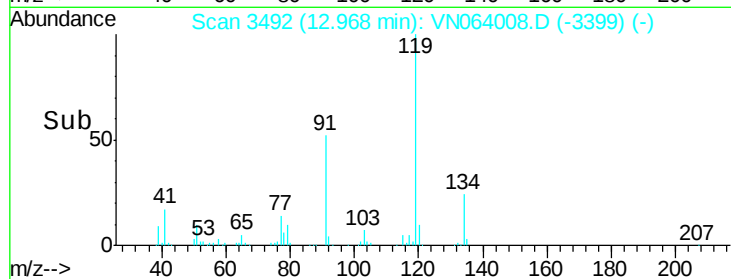
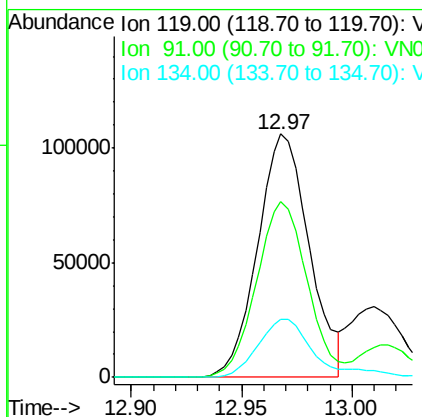
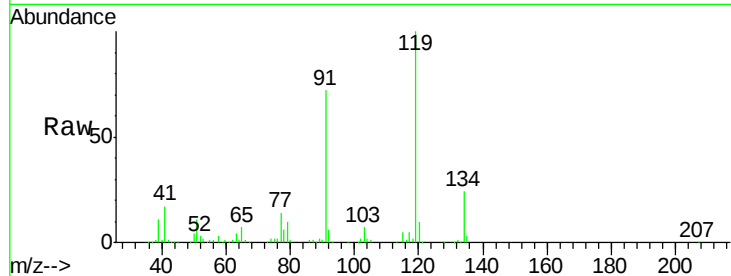
#83
tert-Butylbenzene
Concen: 18.229 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampled :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.8	35.5	106.5
134	26.5	11.7	35.1

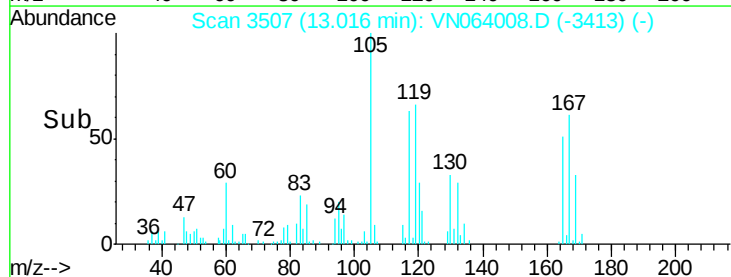
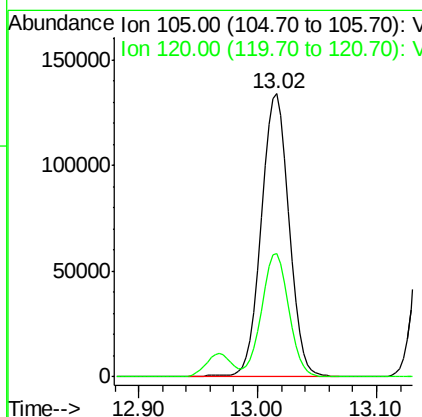
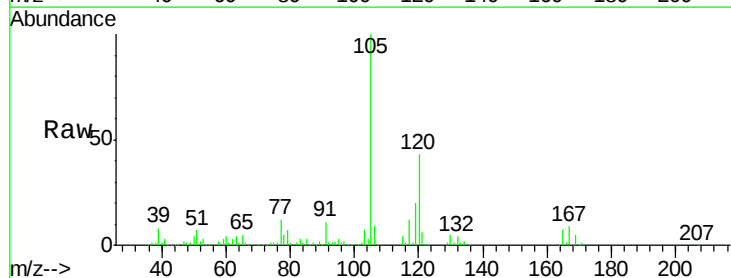
Manual Integrations
APPROVED

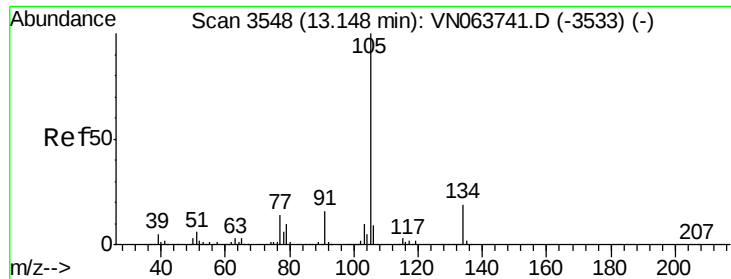
MMDadoda
10/9/2020 4:53:04 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.897 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	20.9	62.7





#85

sec-Butylbenzene

Concen: 18.248 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS02

Tot Ion:105 Resp: 225829

Ion Ratio Lower Upper

105 100

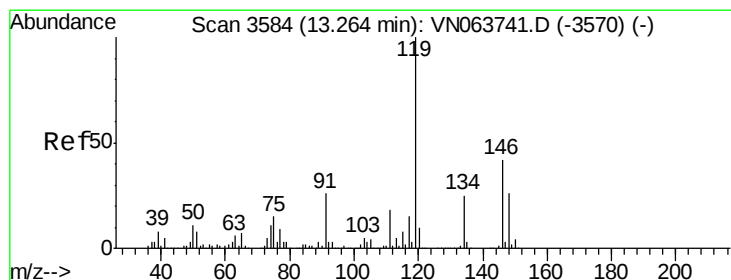
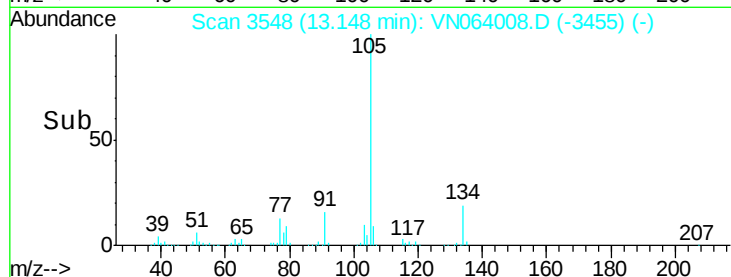
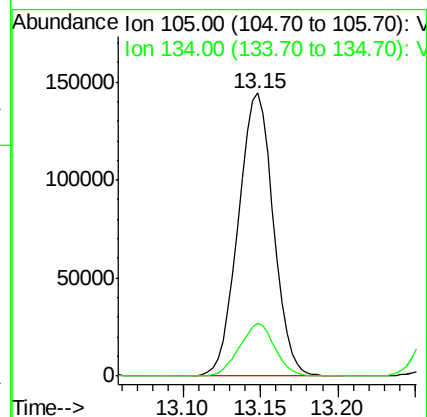
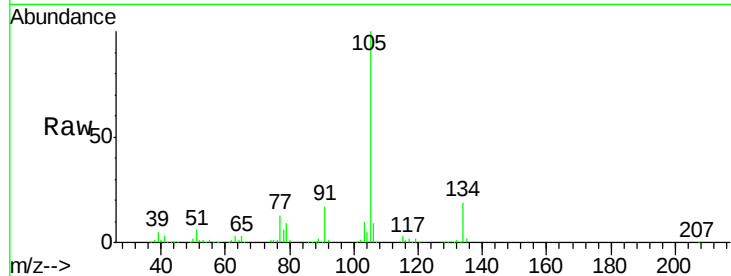
134 18.9 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

10/9/2020 4:53:04 PM



#86

p-Isopropyltoluene

Concen: 17.734 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

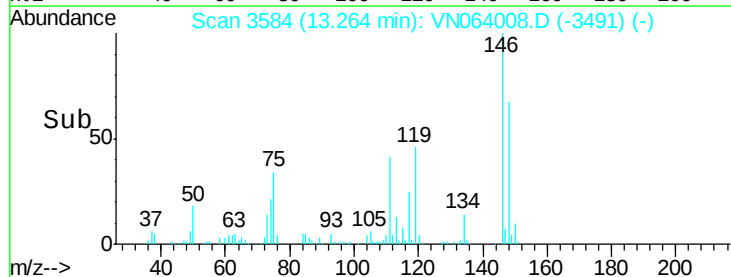
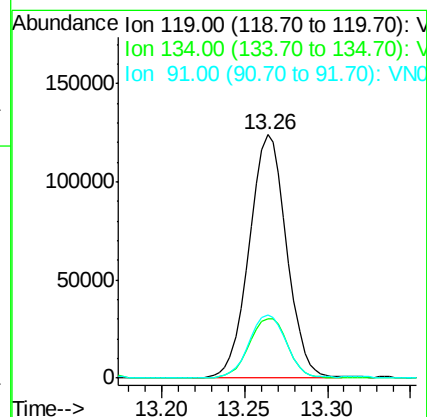
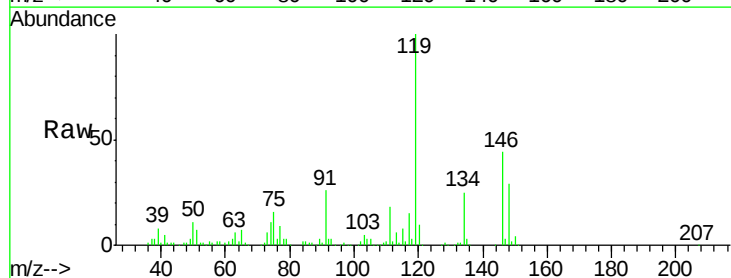
Tgt Ion:119 Resp: 194154

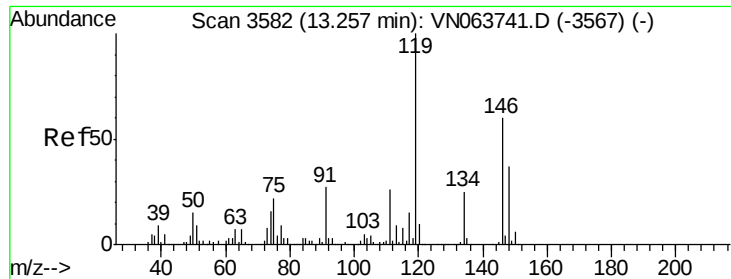
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.8

91 25.8 13.4 40.2





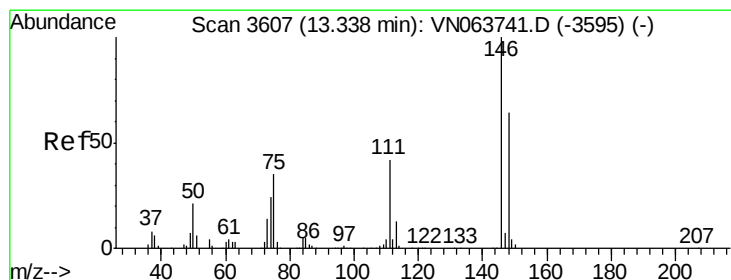
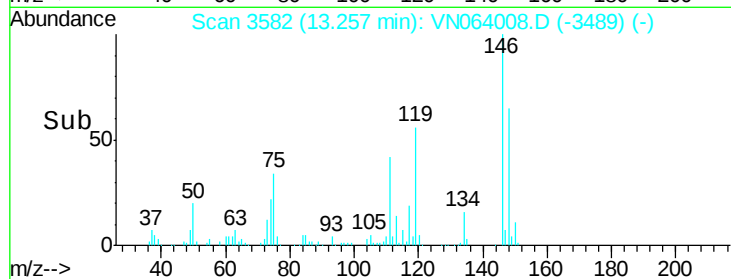
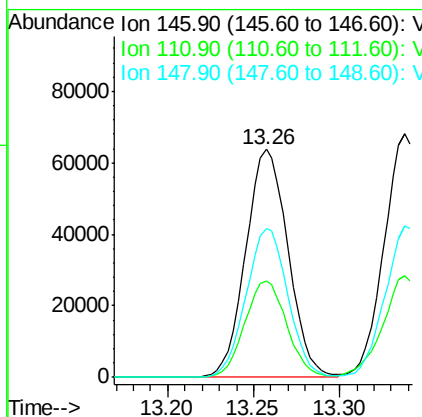
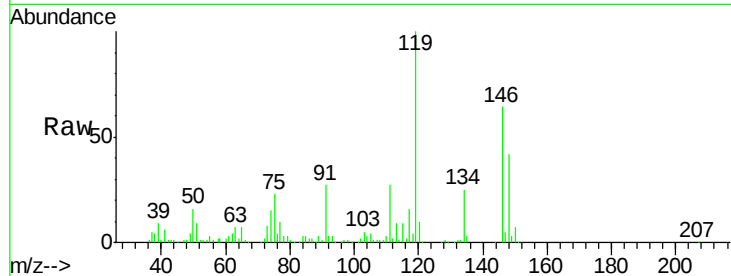
#87
 1,3-Dichlorobenzene
 Concen: 17.879 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.5	64.5
148	64.5	31.1	93.3

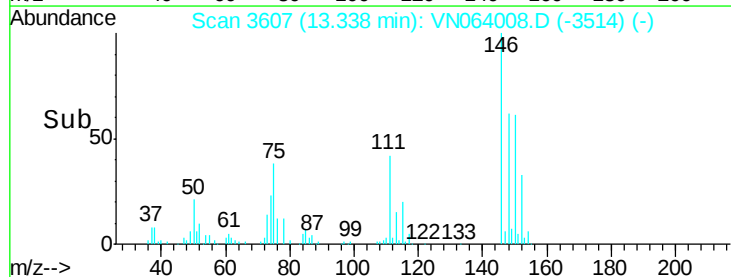
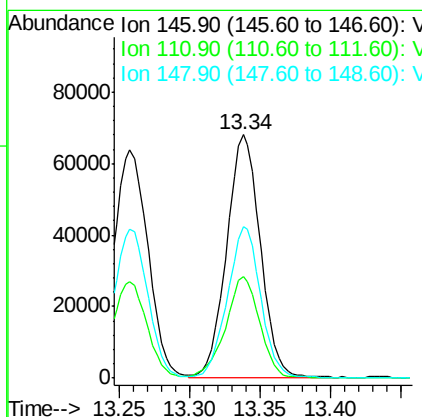
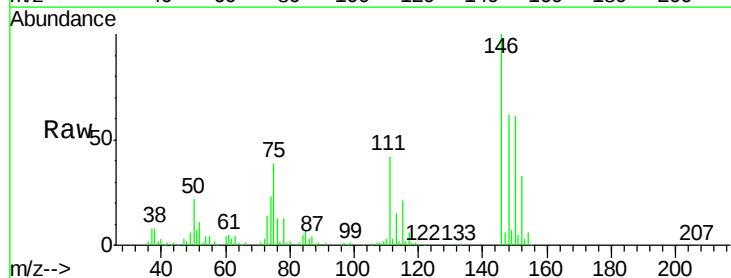
Manual Integrations
 APPROVED

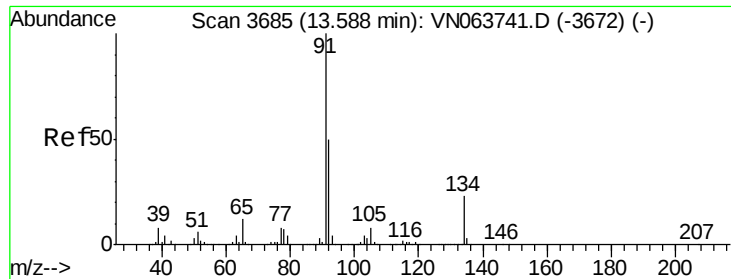
MMDadoda
 10/9/2020 4:53:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.816 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.7
148	62.3	32.0	96.0





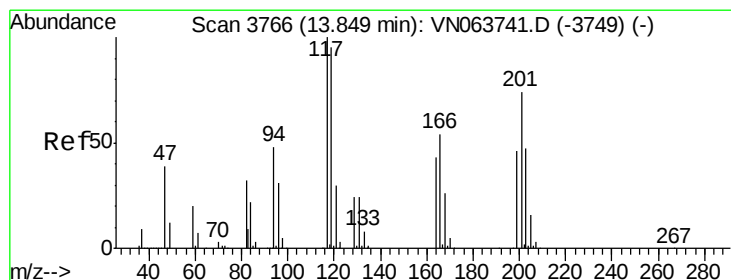
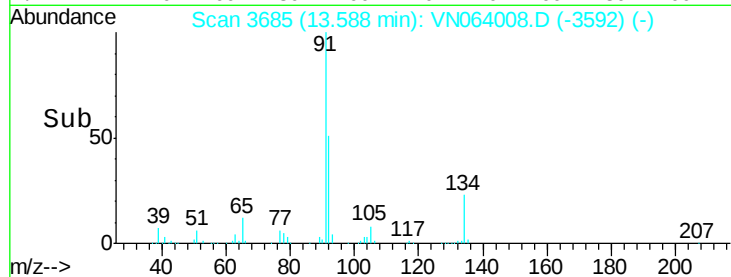
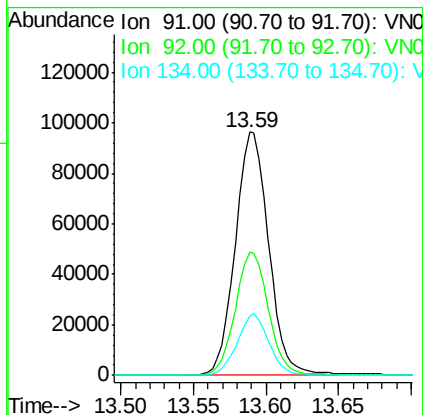
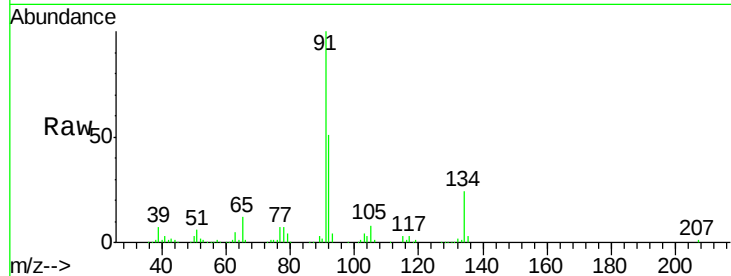
#89
n-Butylbenzene
Concen: 15.271 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.4	76.4
134	23.9	11.7	35.1

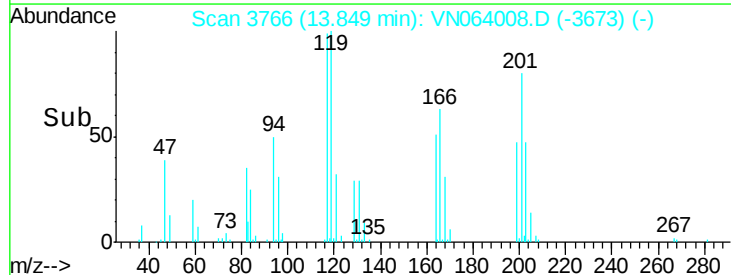
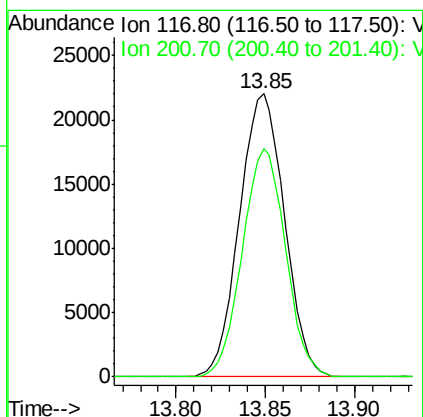
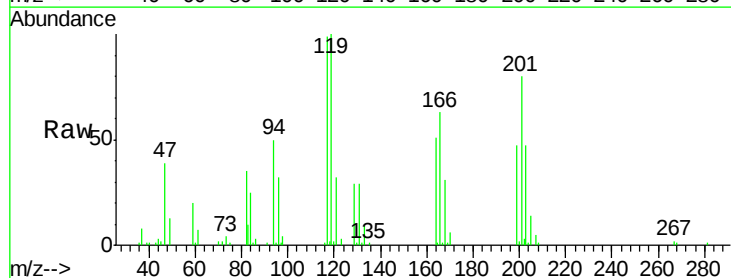
Manual Integrations
APPROVED

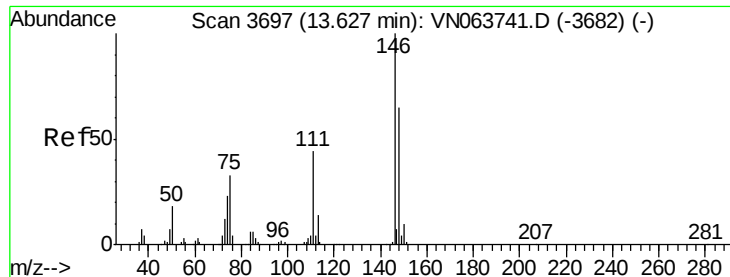
MMDadoda
10/9/2020 4:53:04 PM



#90
Hexachloroethane
Concen: 18.315 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	36.0	108.0





#91

1,2-Dichlorobenzene

Concen: 18.477 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Instrument :

MSVOA_N

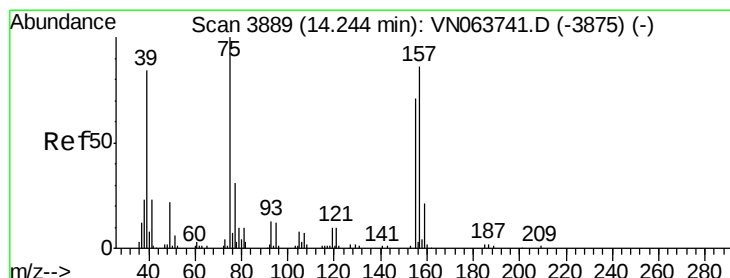
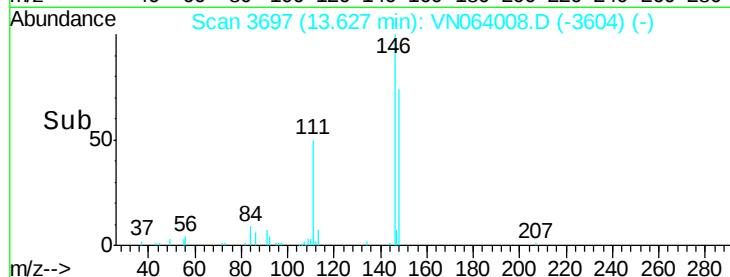
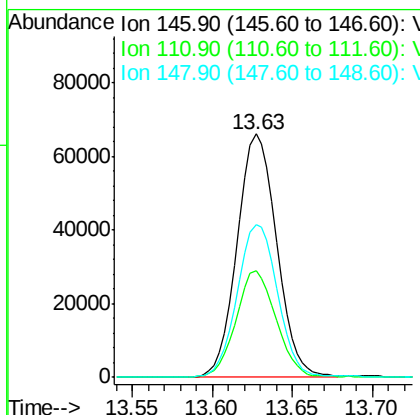
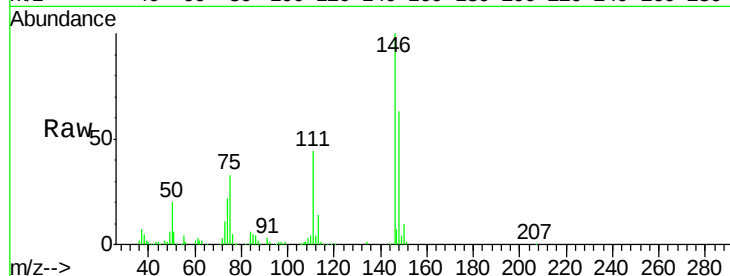
ClientSampleId :

VN1008WBS02

Tot Ion:	146	Resp:	111546
Ion Ratio	Lower	Upper	
146	100		
111	44.5	22.2	66.6
148	64.6	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.485 ug/l

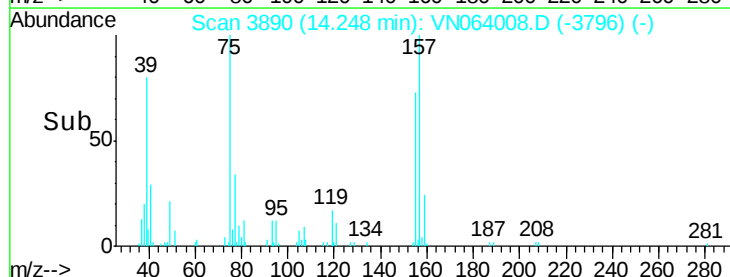
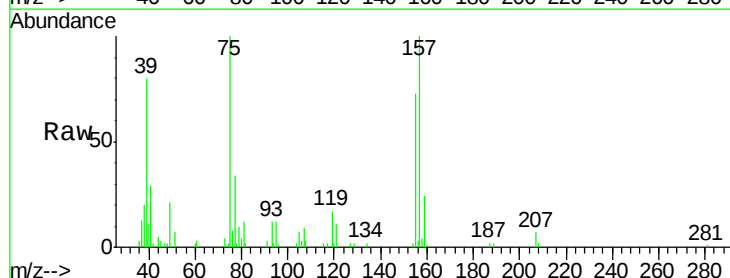
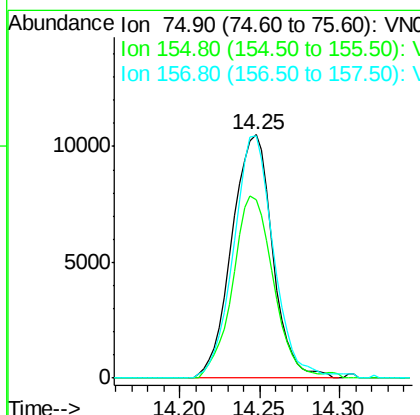
RT: 14.25 min Scan# 3890

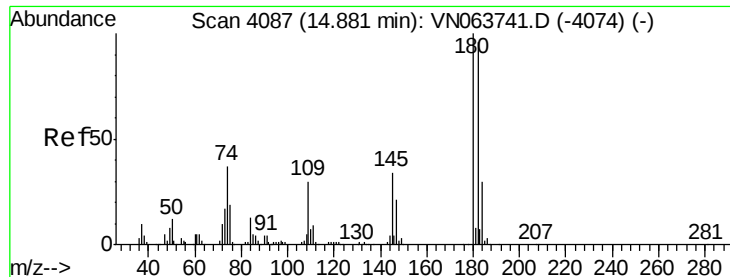
Delta R.T. 0.00 min

Lab File: VN064008.D

Acq: 9 Oct 2020 00:04

Tgt Ion:	75	Resp:	18201
Ion Ratio	Lower	Upper	
75	100		
155	74.4	34.8	104.5
157	97.8	43.7	131.1





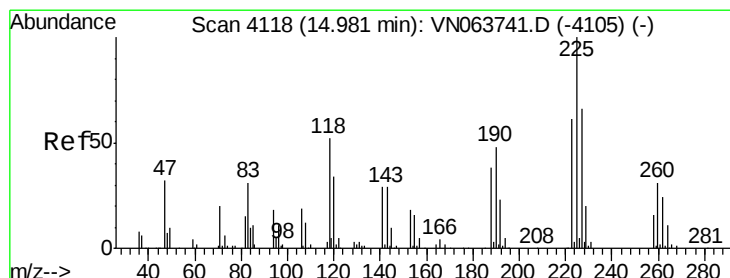
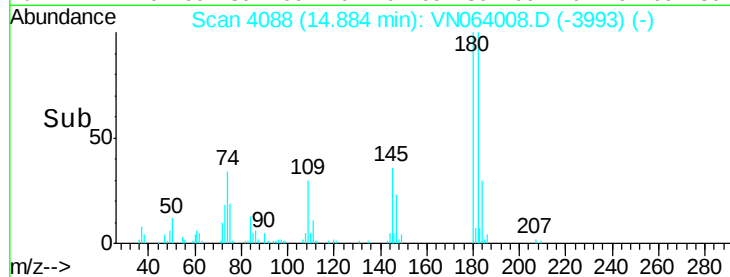
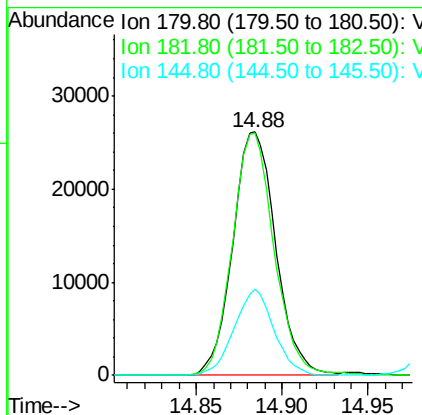
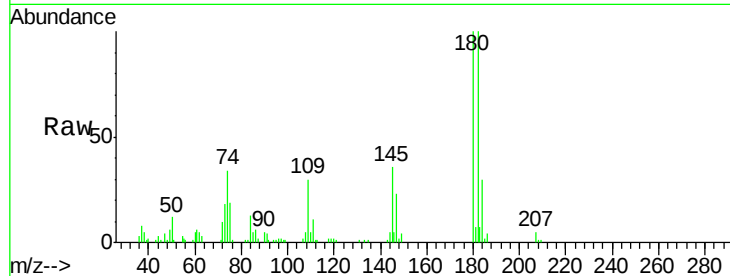
#93
 1,2,4-Trichlorobenzene
 Concen: 15.044 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45256		
182	97.0		48.2	144.6
145	32.7		17.1	51.2

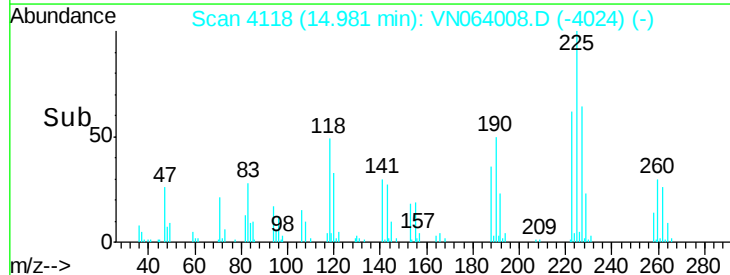
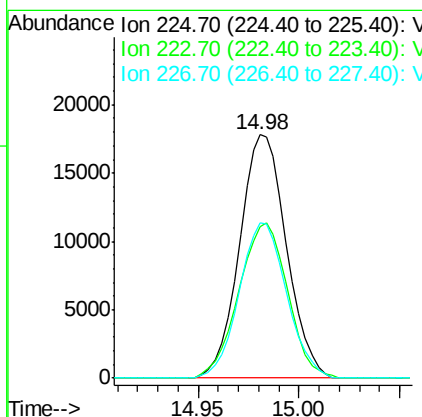
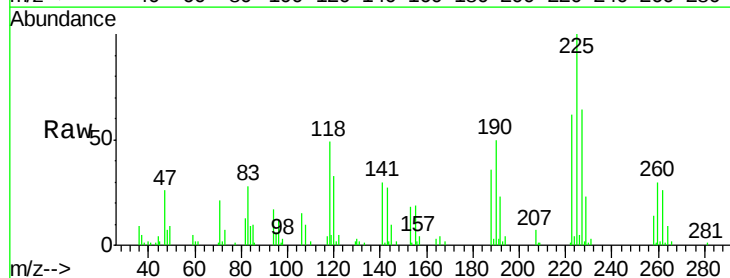
Manual Integrations
 APPROVED

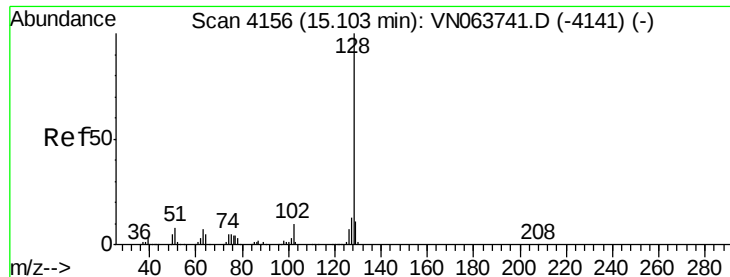
MMDadoda
 10/9/2020 4:53:04 PM



#94
 Hexachlorobutadiene
 Concen: 17.737 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064008.D
 Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28961		
223	66.3		30.3	91.0
227	64.4		31.9	95.5





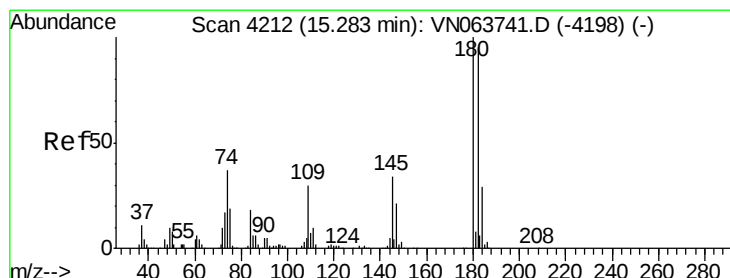
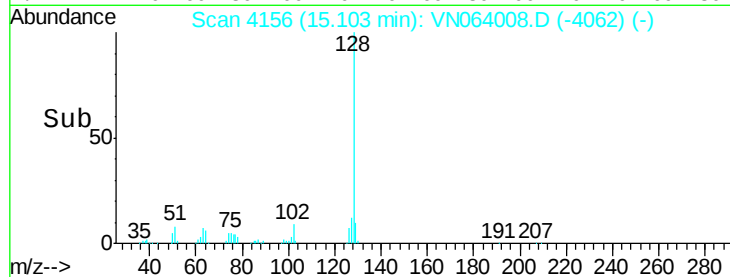
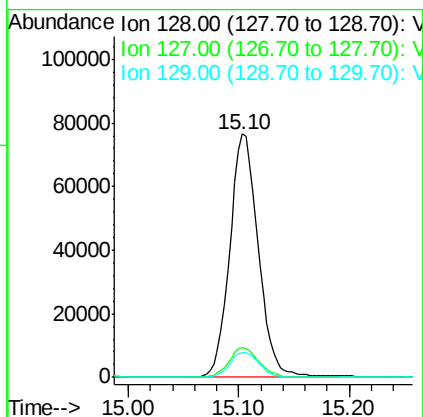
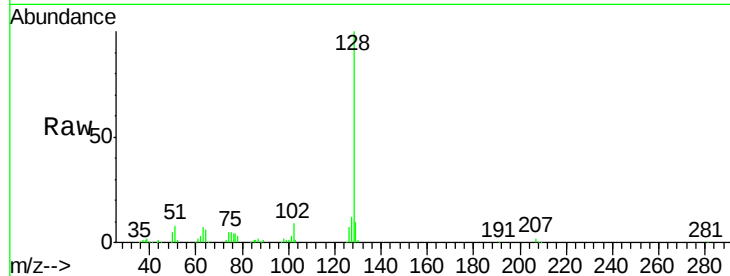
#95
Naphthalene
Concen: 14.968 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Instrument :
MSVOA_N
ClientSampled :
VN1008WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 15.778 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064008.D
Acq: 9 Oct 2020 00:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.6
145	31.1	17.2	51.5

