

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064211.D
 Acq On : 21 Oct 2020 10:22
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:33 PM

Quant Time: Oct 21 12:14:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:00:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	309156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	491235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	440100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	2506	0.820	ug/l	92
3) Chloromethane	2.04	50	3143	0.852	ug/l	94
4) Vinyl Chloride	2.16	62	3088	0.697	ug/l	96
6) Chloroethane	2.68	64	1982	0.583	ug/l	96
7) Trichlorofluoromethane	2.99	101	4995	0.799	ug/l	84
8) Diethyl Ether	3.37	74	1626m	0.828	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.71	101	2537	0.824	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	2534m	0.821	ug/l	
14) Allyl chloride	4.28	41	5571	1.105	ug/l #	64
15) Acrylonitrile	4.92	53	5453m	3.926	ug/l	
16) Acetone	3.78	43	6202	4.678	ug/l	98
17) Carbon Disulfide	4.02	76	6890	0.782	ug/l	99
18) Methyl Acetate	4.28	43	3581	1.078	ug/l #	62
19) Methyl tert-butyl Ether	4.98	73	8645m	0.934	ug/l	
20) Methylene Chloride	4.50	84	3684	0.920	ug/l #	70
21) trans-1,2-Dichloroethene	5.00	96	3055m	0.881	ug/l	
22) Diisopropyl ether	5.89	45	11046m	1.157	ug/l	
23) Vinyl Acetate	5.85	43	41145	4.815	ug/l	98
24) 1,1-Dichloroethane	5.80	63	5421	0.829	ug/l #	85
25) 2-Butanone	6.79	43	10062	4.946	ug/l	92
26) 2,2-Dichloropropane	6.77	77	5842	1.038	ug/l	78
27) cis-1,2-Dichloroethene	6.78	96	3649m	0.897	ug/l	
28) Bromochloromethane	7.14	49	2369m	0.760	ug/l	
29) Tetrahydrofuran	7.16	42	5879	4.924	ug/l #	46
30) Chloroform	7.32	83	6167	0.890	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	5459	0.897	ug/l #	48
36) 1,1-Dichloropropene	7.75	75	4743	0.993	ug/l #	87
37) Ethyl Acetate	6.87	43	4291m	1.007	ug/l	
38) Carbon Tetrachloride	7.73	117	4891	0.937	ug/l	88
39) Methylcyclohexane	9.04	83	3739	0.918	ug/l #	83
40) Benzene	8.00	78	12758	0.896	ug/l #	88
41) Methacrylonitrile	7.13	41	2236m	1.201	ug/l	
42) 1,2-Dichloroethane	8.09	62	5617	1.078	ug/l	97
43) Isopropyl Acetate	8.12	43	7417m	1.028	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064211.D
 Acq On : 21 Oct 2020 10:22
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:33 PM

Quant Time: Oct 21 12:14:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:00:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.80	130	3476	0.924	ug/l	92
45) 1,2-Dichloropropane	9.08	63	3313	0.880	ug/l #	85
46) Dibromomethane	9.17	93	2139	0.803	ug/l	95
47) Bromodichloromethane	9.37	83	4538	0.862	ug/l	98
48) Methyl methacrylate	9.16	41	4693	1.388	ug/l #	82
49) 1,4-Dioxane	9.17	88	909	18.330	ug/l #	59
51) 4-Methyl-2-Pentanone	9.95	43	19582	4.675	ug/l	100
52) Toluene	10.12	92	7764	0.886	ug/l	94
53) t-1,3-Dichloropropene	10.35	75	4785	0.875	ug/l #	82
54) cis-1,3-Dichloropropene	9.81	75	5846	0.981	ug/l	92
55) 1,1,2-Trichloroethane	10.54	97	2788	0.771	ug/l	94
56) Ethyl methacrylate	10.40	69	4339	0.924	ug/l #	77
57) 1,3-Dichloropropane	10.68	76	4589	0.765	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.66	63	9876	4.199	ug/l #	87
59) 2-Hexanone	10.72	43	14029	4.755	ug/l	95
60) Dibromochloromethane	10.87	129	4275	1.039	ug/l	80
61) 1,2-Dibromoethane	10.98	107	2861	0.778	ug/l	98
64) Tetrachloroethene	10.60	164	3175	0.946	ug/l #	84
65) Chlorobenzene	11.41	112	7931	0.854	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	3348	0.943	ug/l #	65
67) Ethyl Benzene	11.48	91	14210	0.904	ug/l	97
68) m/p-Xylenes	11.59	106	10411	1.791	ug/l	98
69) o-Xylene	11.92	106	5236	0.935	ug/l	99
70) Styrene	11.94	104	7756	0.832	ug/l	91
71) Bromoform	12.11	173	2233	0.841	ug/l #	66
73) Isopropylbenzene	12.22	105	14423	1.002	ug/l	94
74) N-amyl acetate	12.04	43	5407	0.973	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	4067	0.845	ug/l #	90
76) 1,2,3-Trichloropropane	12.53	75	3841m	0.825	ug/l	
77) Bromobenzene	12.50	156	3285	0.858	ug/l	90
78) n-propylbenzene	12.56	91	15468	0.963	ug/l	100
79) 2-Chlorotoluene	12.65	91	9439	0.924	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	11794	1.018	ug/l	96
82) 4-Chlorotoluene	12.75	91	9156	0.887	ug/l	99
83) tert-Butylbenzene	12.97	119	9868	1.030	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	10984	0.966	ug/l	93
85) sec-Butylbenzene	13.14	105	11868	0.966	ug/l	99
86) p-Isopropyltoluene	13.26	119	9921	0.922	ug/l	90
87) 1,3-Dichlorobenzene	13.25	146	5646	0.880	ug/l	95
88) 1,4-Dichlorobenzene	13.33	146	6293m	0.957	ug/l	
89) n-Butylbenzene	13.59	91	9483	1.036	ug/l	98
90) Hexachloroethane	13.85	117	1960	0.952	ug/l	80
91) 1,2-Dichlorobenzene	13.63	146	5752	0.903	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.25	75	938m	0.971	ug/l	
93) 1,2,4-Trichlorobenzene	14.88	180	2720	1.002	ug/l	95
94) Hexachlorobutadiene	14.98	225	1855	1.166	ug/l	84
95) Naphthalene	15.11	128	8073	0.997	ug/l	96
96) 1,2,3-Trichlorobenzene	15.29	180	2985	1.108	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064211.D
Acq On : 21 Oct 2020 10:22
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

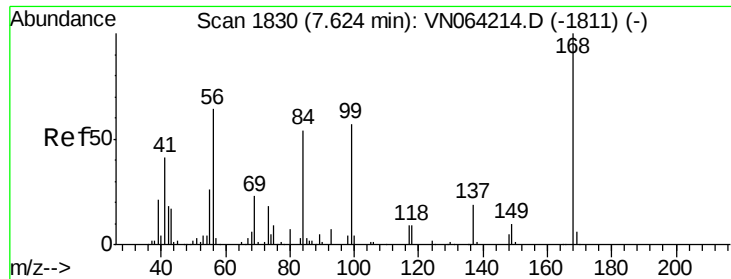
Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM

Quant Time: Oct 21 12:14:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:00:10 2020
Response via : Initial Calibration

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 309156

Ion Ratio Lower Upper

168 100

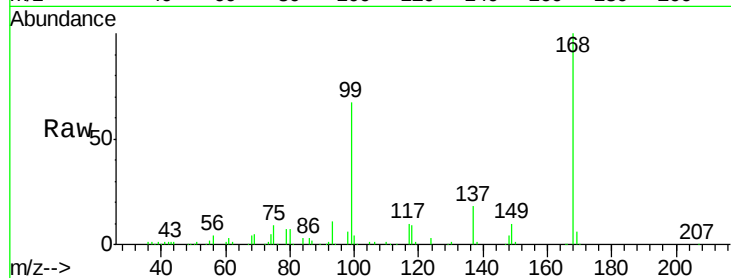
99 66.6 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

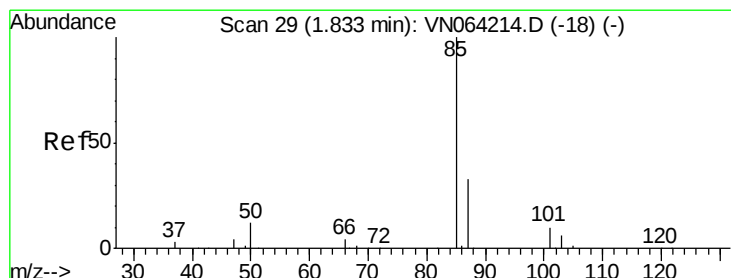
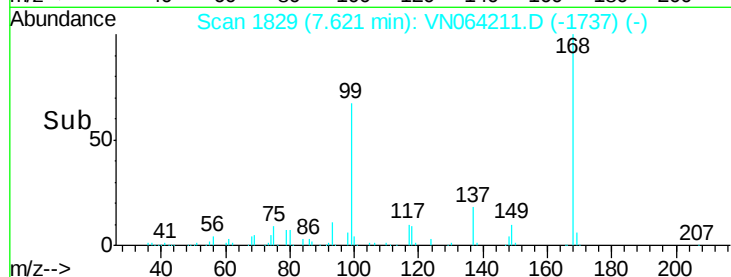
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.820 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064211.D

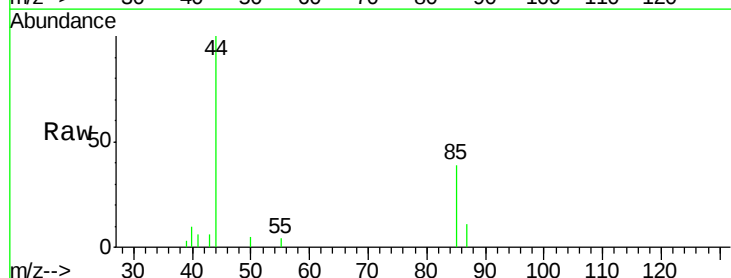
Acq: 21 Oct 2020 10:22

Tgt Ion: 85 Resp: 2506

Ion Ratio Lower Upper

85 100

87 28.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

2000

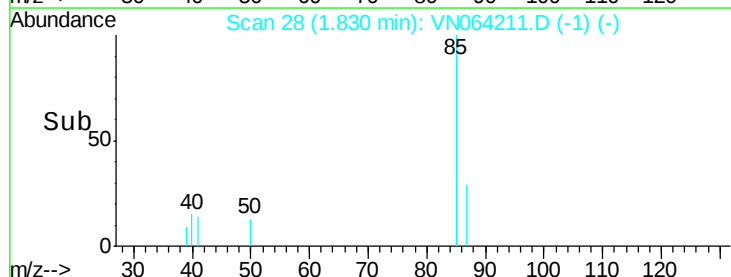
1500

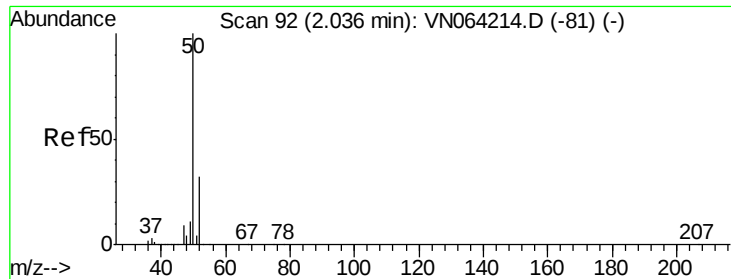
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.852 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3143

Ion Ratio Lower Upper

50 100

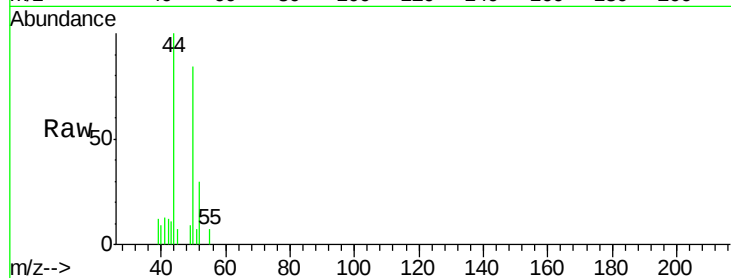
52 35.1 25.3 37.9

Manual Integrations

APPROVED

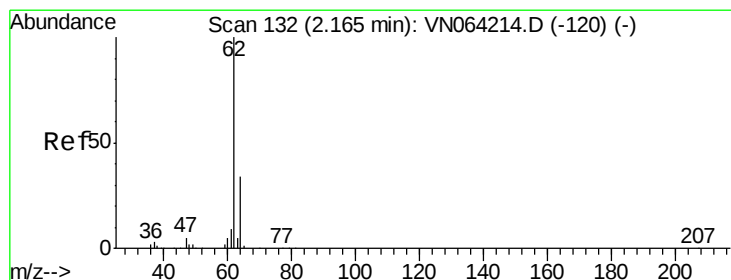
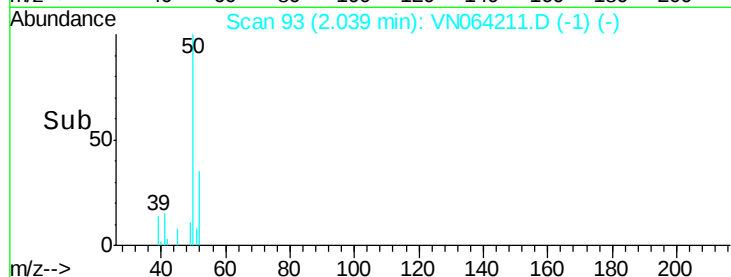
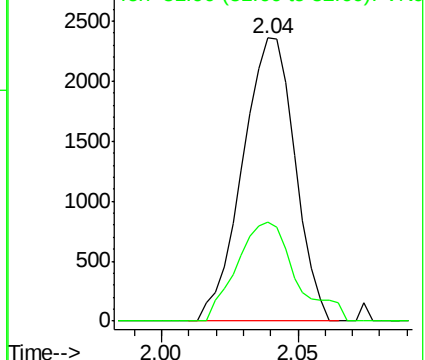
MMDadoda

10/22/2020 3:25:33 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.697 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064211.D

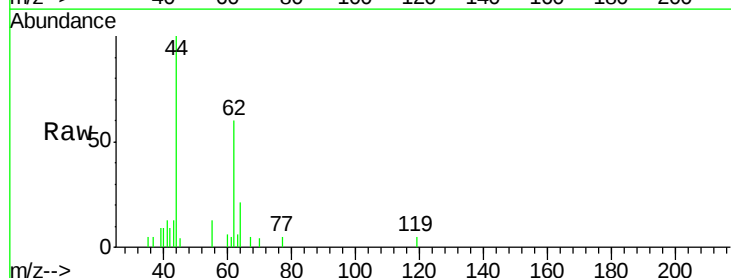
Acq: 21 Oct 2020 10:22

Tgt Ion: 62 Resp: 3088

Ion Ratio Lower Upper

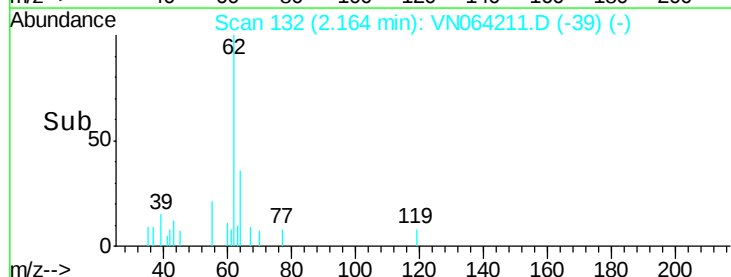
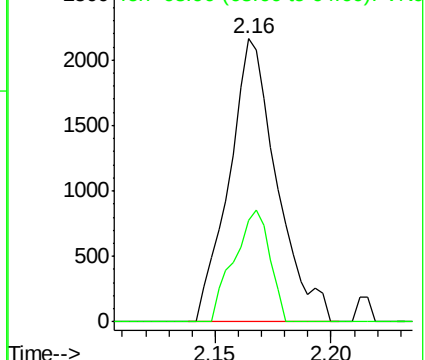
62 100

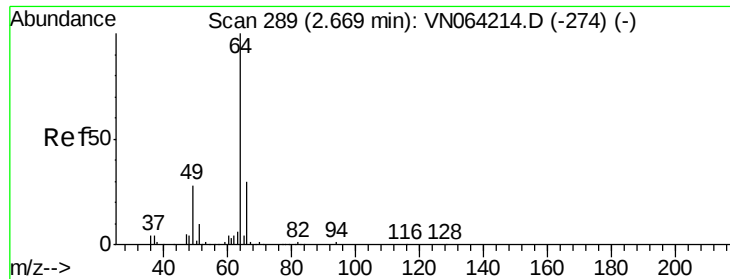
64 35.8 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#6

Chloroethane

Concen: 0.583 ug/l

RT: 2.68 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 1982

Ion Ratio Lower Upper

64 100

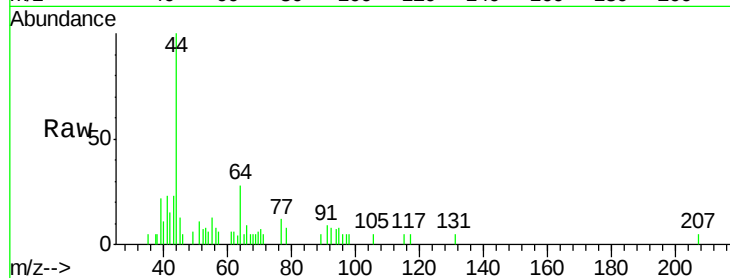
66 32.7 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



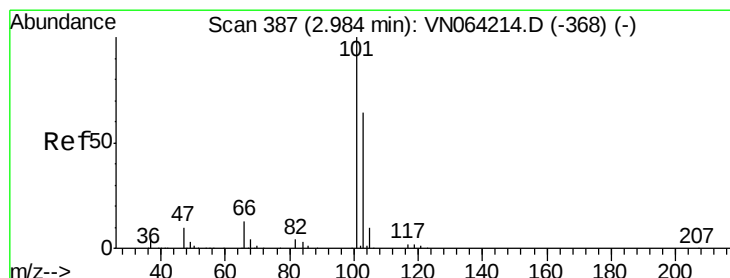
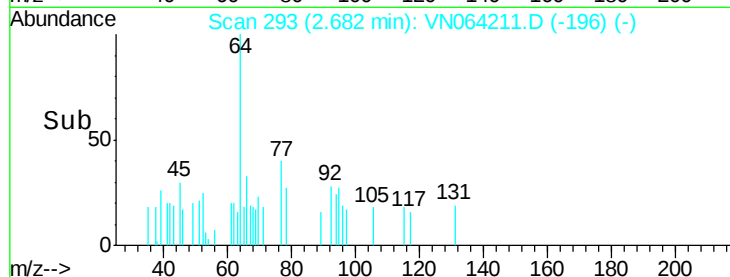
Abundance Ion 63.90 (63.60 to 64.60): VN064211.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN064211.D (-196) (-)

2.68

2.65 2.70

Time-->



#7

Trichlorofluoromethane

Concen: 0.799 ug/l

RT: 2.99 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN064211.D

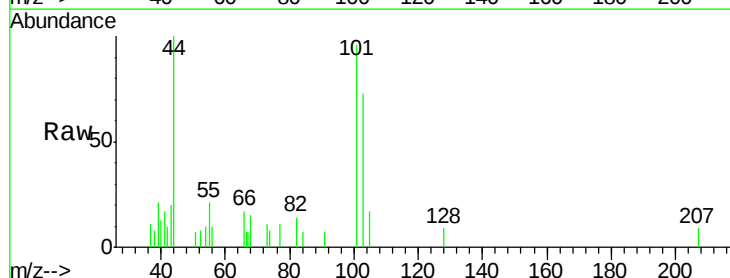
Acq: 21 Oct 2020 10:22

Tgt Ion: 101 Resp: 4995

Ion Ratio Lower Upper

101 100

103 76.1 51.0 76.6



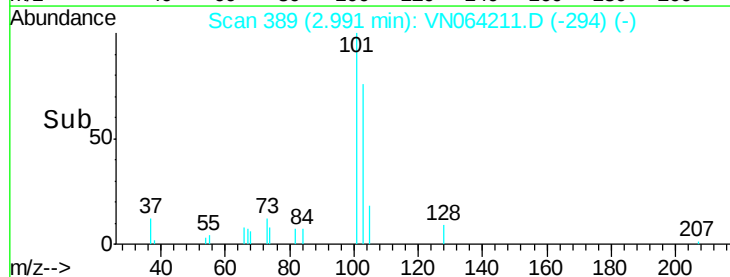
Abundance Ion 100.90 (100.60 to 101.60): VN064211.D (-294) (-)

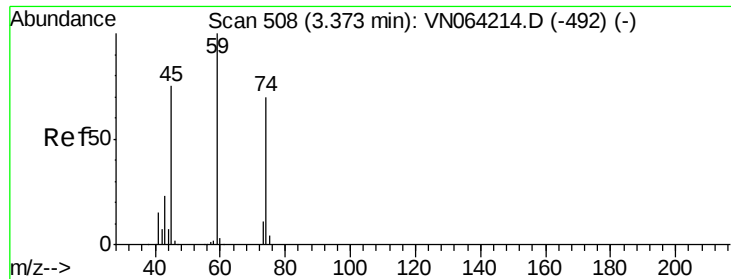
Ion 102.80 (102.50 to 103.50): VN064211.D (-294) (-)

2.99

2.95 3.00 3.05

Time-->





#8

Diethyl Ether

Concen: 0.828 ug/l m

RT: 3.37 min Scan# 507

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1626

Ion Ratio Lower Upper

74 100

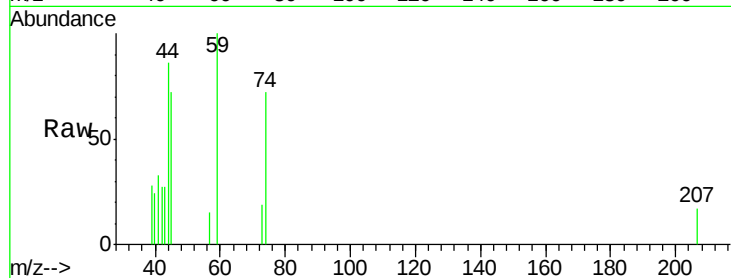
45 89.7 51.3 154.0

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



Abundance Ion 74.00 (73.70 to 74.70): VN0

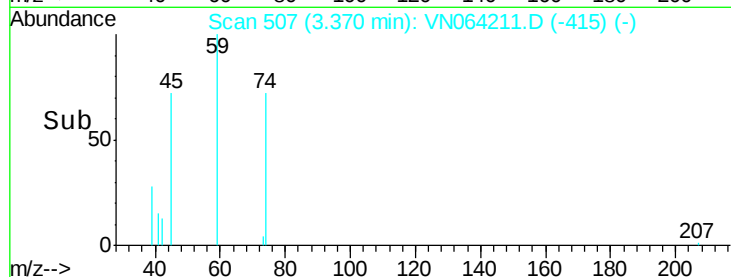
Ion 45.00 (44.70 to 45.70): VN0

3.37

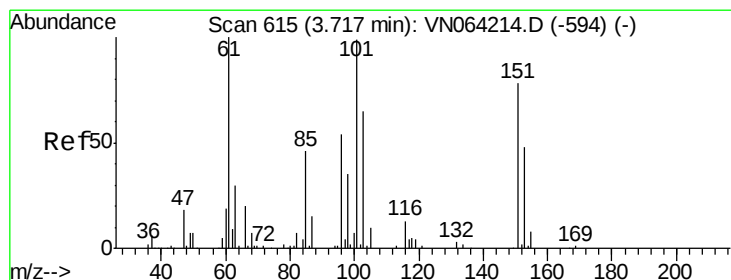
3.35

3.40

3.45



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.824 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

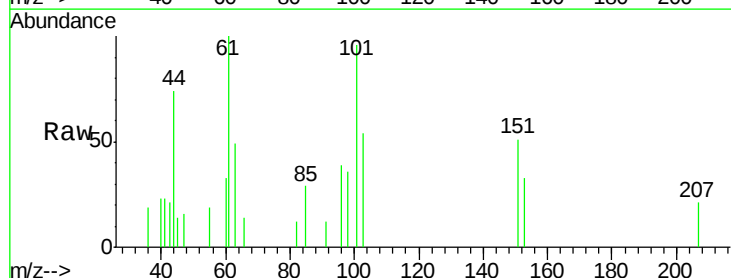
Tgt Ion: 101 Resp: 2537

Ion Ratio Lower Upper

101 100

85 27.2 37.8 56.8#

151 78.3 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

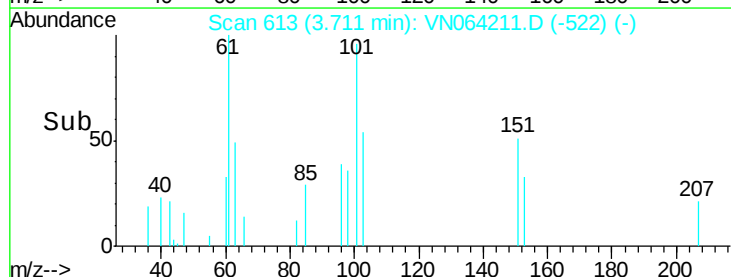
Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

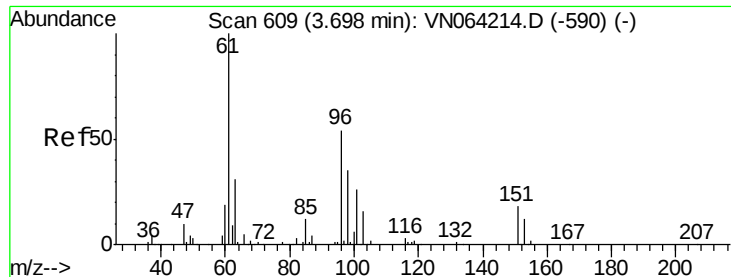
3.71

3.65

3.75



Time-->



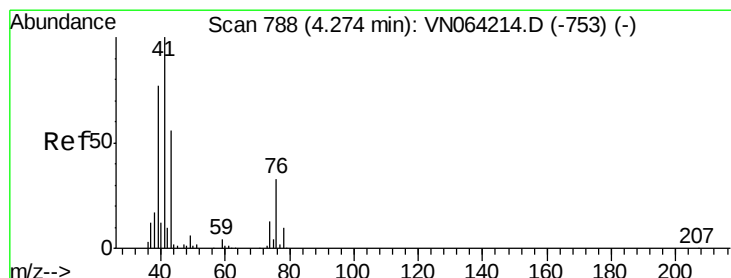
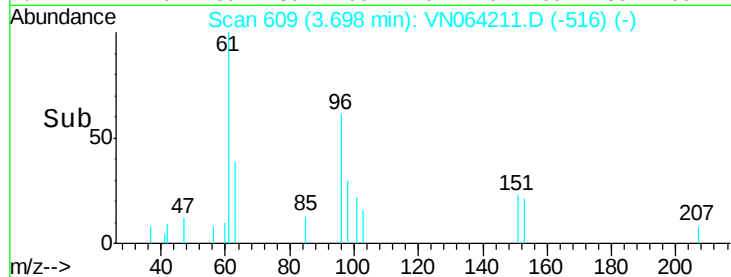
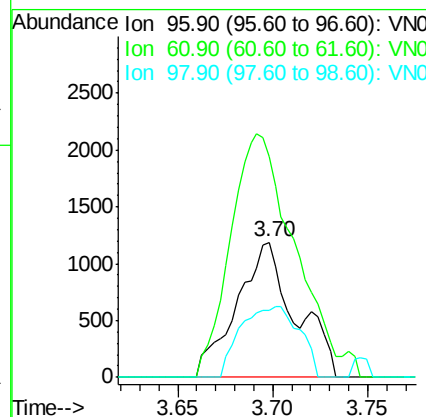
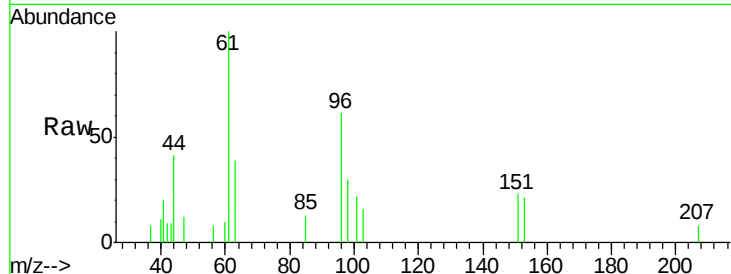
#12
 1,1-Dichloroethene
 Concen: 0.821 ug/l m
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.0	147.0	220.4
98	49.9	51.7	77.5#

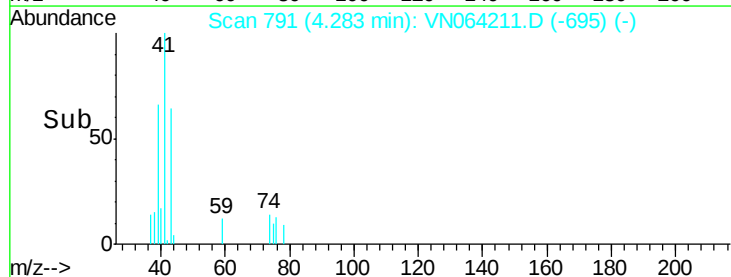
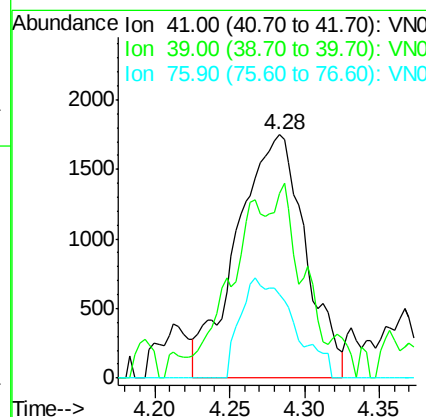
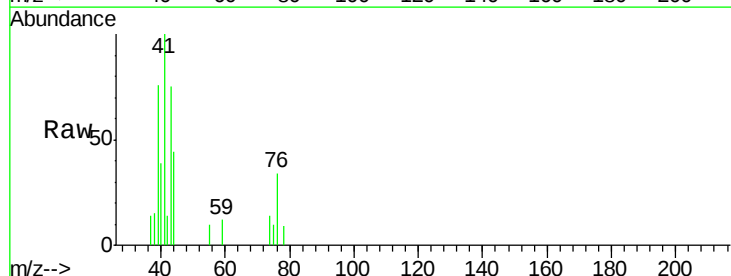
Manual Integrations
 APPROVED

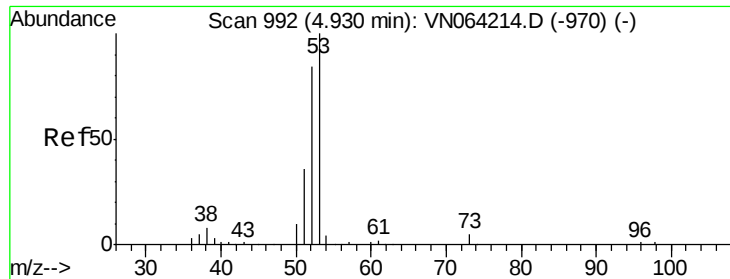
MMDadoda
 10/22/2020 3:25:33 PM



#14
 Allyl chloride
 Concen: 1.105 ug/l
 RT: 4.28 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	30.8	58.6	88.0#
76	31.8	24.5	36.7





#15

Acrylonitrile

Concen: 3.926 ug/l m

RT: 4.92 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

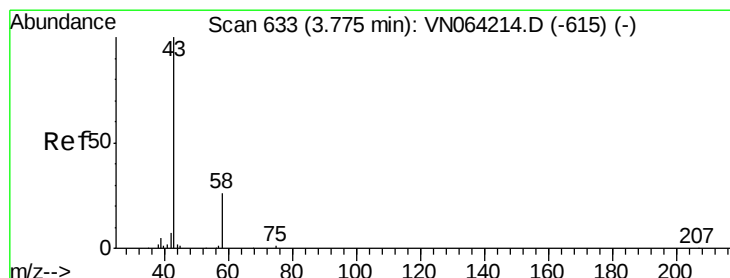
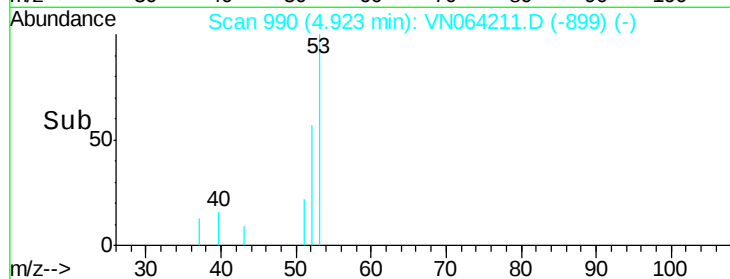
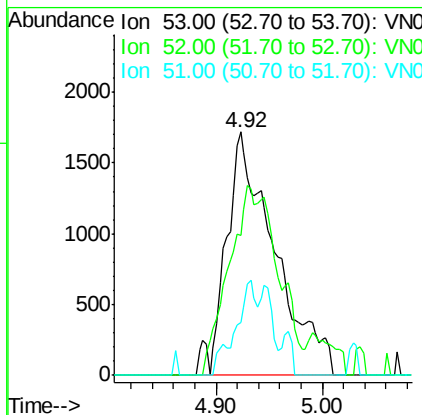
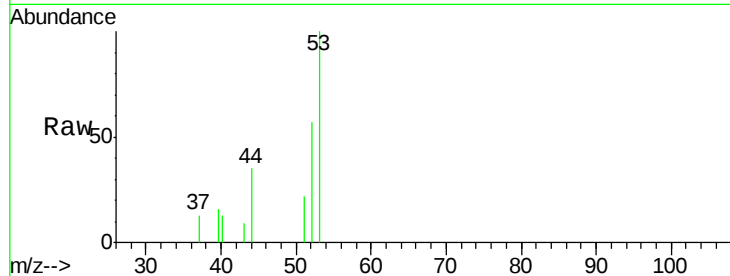
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	5453
Ion	Ratio	Lower	Upper
53	100		
52	45.7	66.8	100.2#
51	16.9	30.7	46.1#

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM



#16

Acetone

Concen: 4.678 ug/l

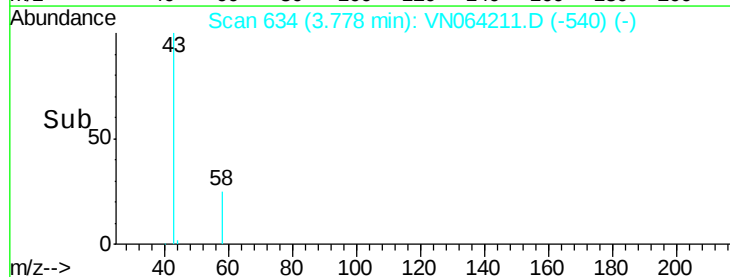
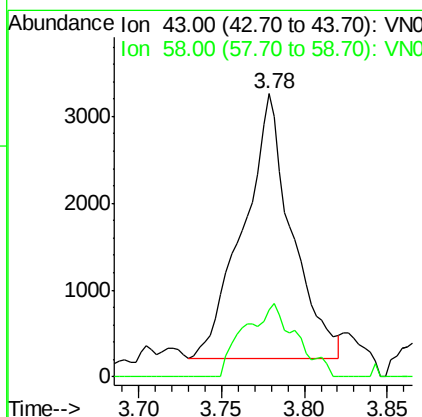
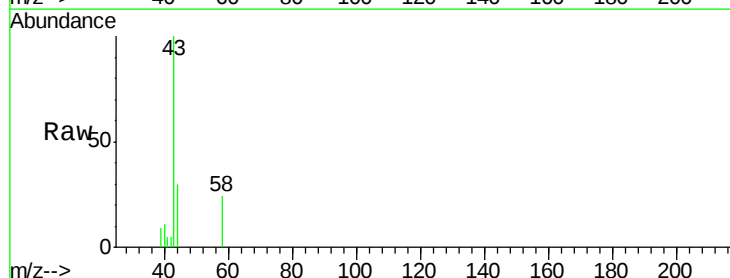
RT: 3.78 min Scan# 634

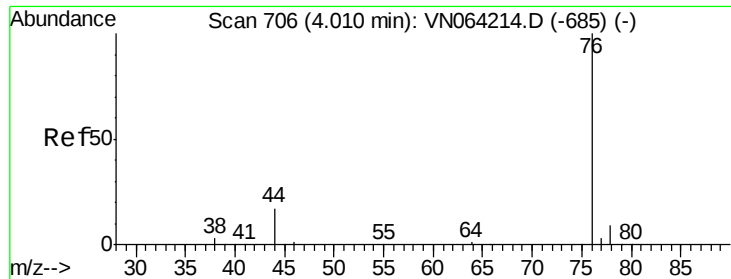
Delta R.T. 0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Tgt Ion:	43	Resp:	6202
Ion	Ratio	Lower	Upper
43	100		
58	25.3	21.0	31.4





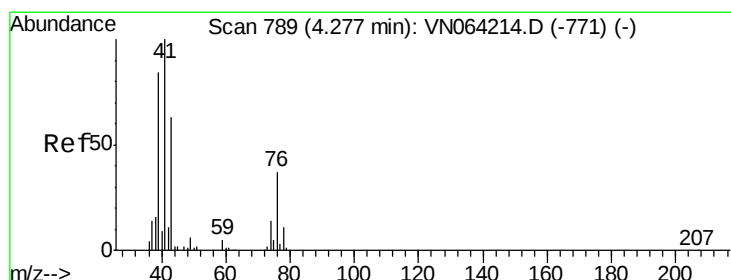
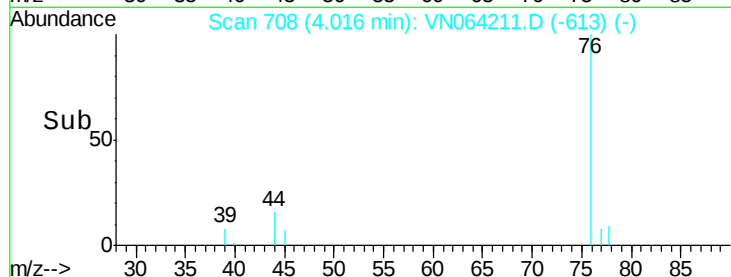
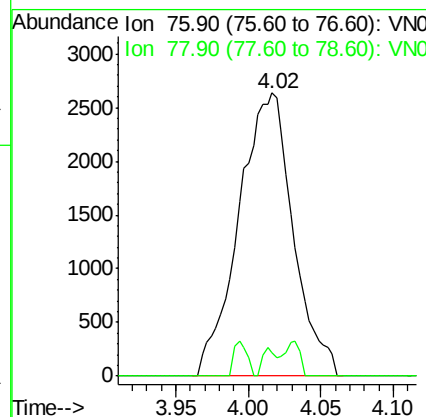
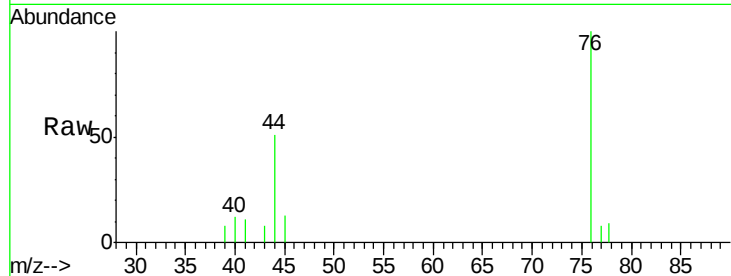
#17
Carbon Disulfide
Concen: 0.782 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

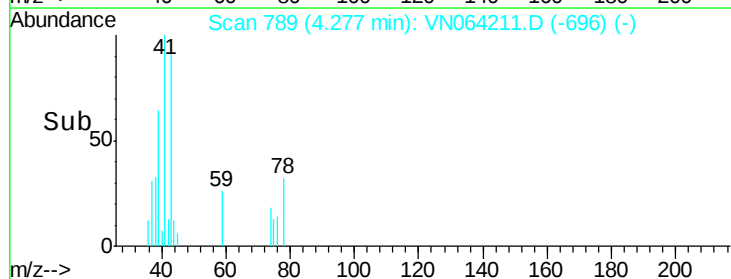
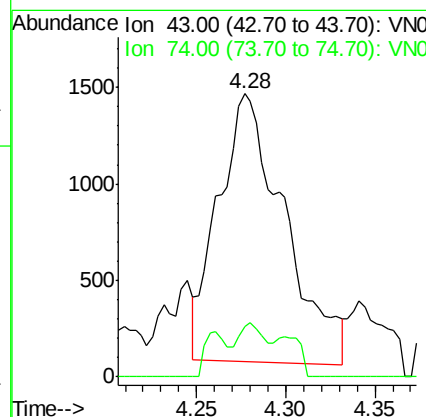
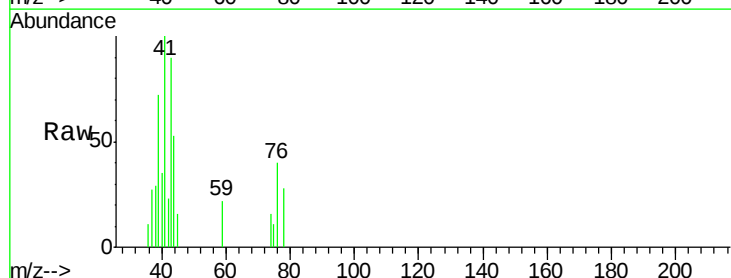
Manual Integrations
APPROVED

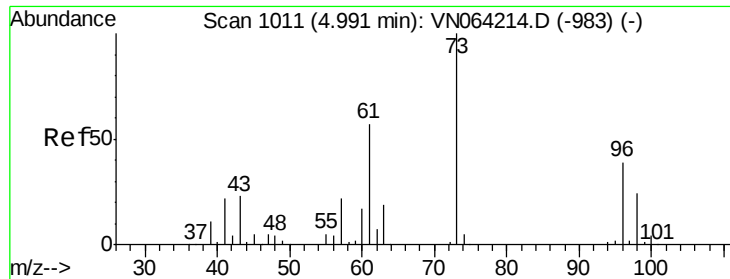
MMDadoda
10/22/2020 3:25:33 PM



#18
Methyl Acetate
Concen: 1.078 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	4.3	17.9	26.9#





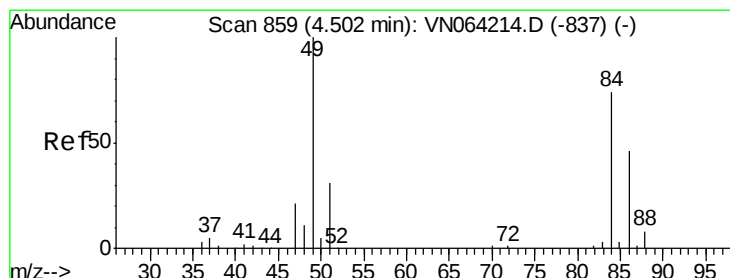
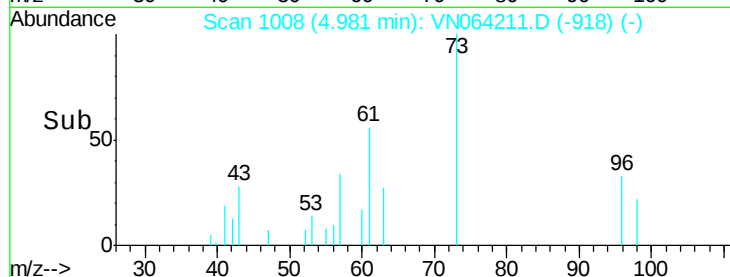
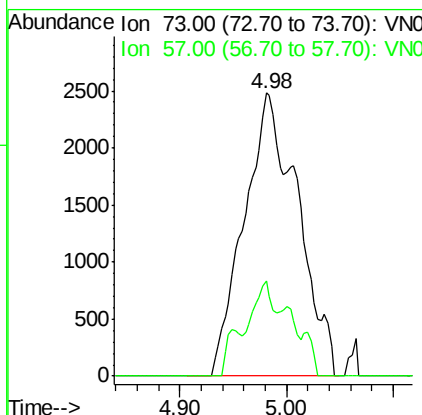
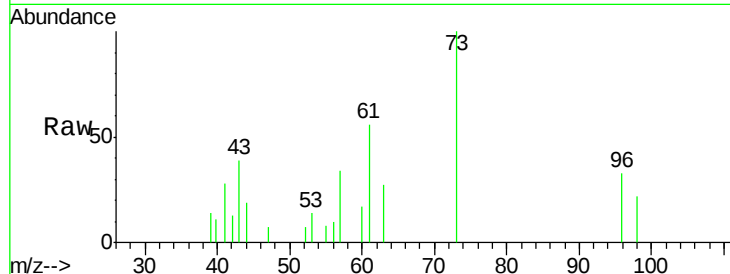
#19
Methyl tert-butyl Ether
Concen: 0.934 ug/l m
RT: 4.98 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 8645
Ion Ratio Lower Upper
73 100
57 33.6 18.0 27.0#

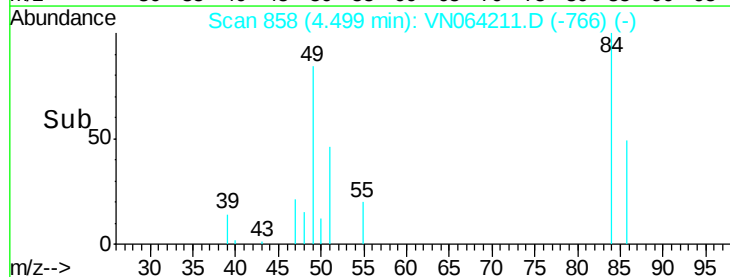
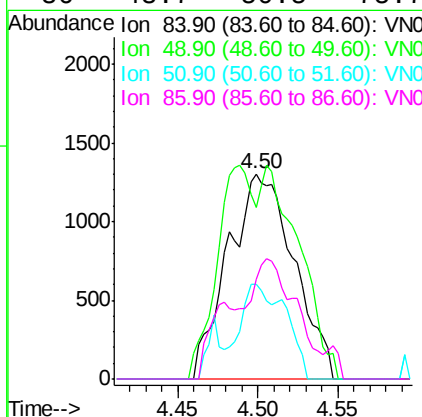
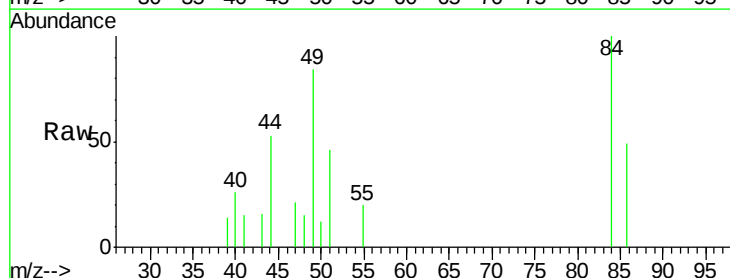
Manual Integrations
APPROVED

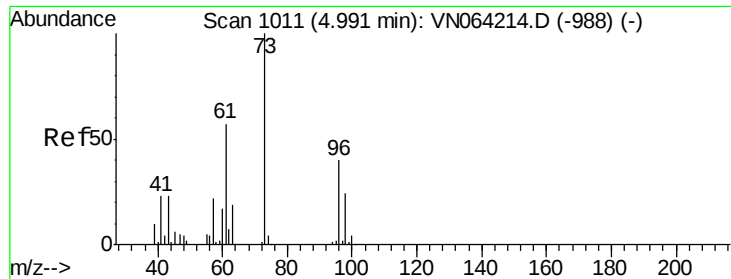
MMDadoda
10/22/2020 3:25:33 PM



#20
Methylene Chloride
Concen: 0.920 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion: 84 Resp: 3684
Ion Ratio Lower Upper
84 100
49 83.6 108.5 162.7#
51 46.0 33.8 50.8
86 48.7 50.5 75.7#





#21

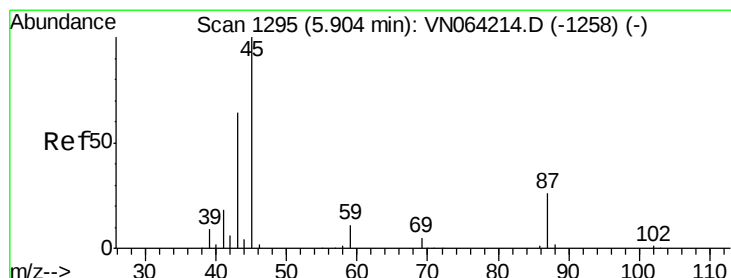
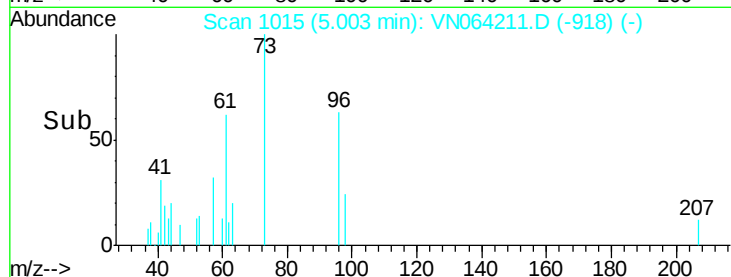
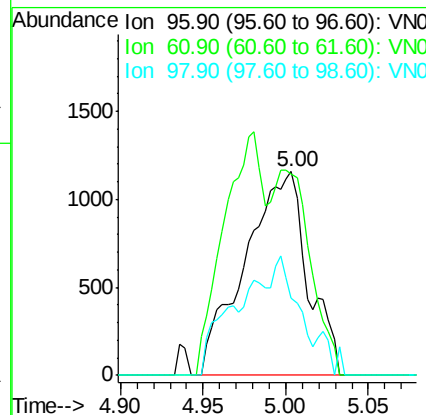
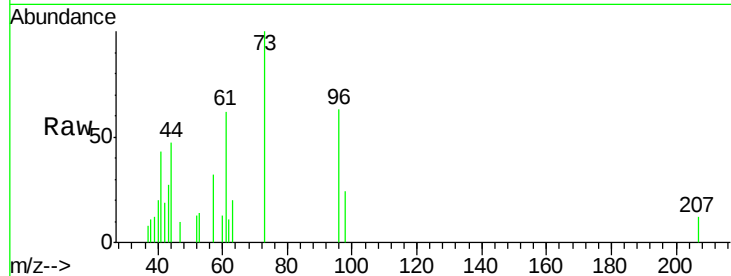
trans-1,2-Dichloroethene
Concen: 0.881 ug/l m
RT: 5.00 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	99.1	115.8	173.6#
98	38.2	49.4	74.0#

Manual Integrations
APPROVED

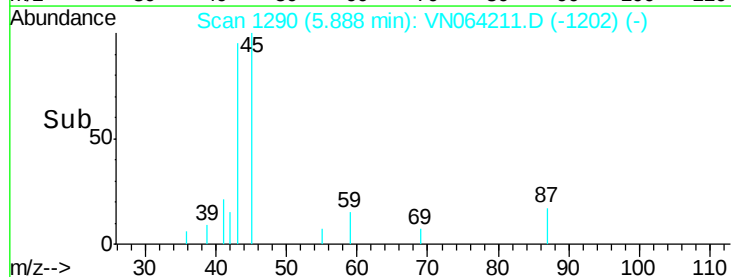
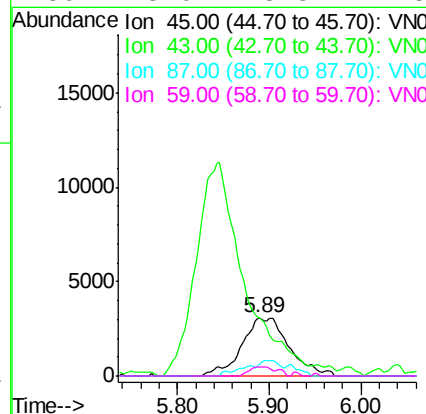
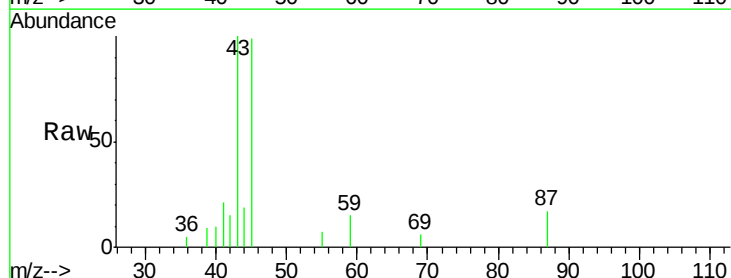
MMDadoda
10/22/2020 3:25:33 PM

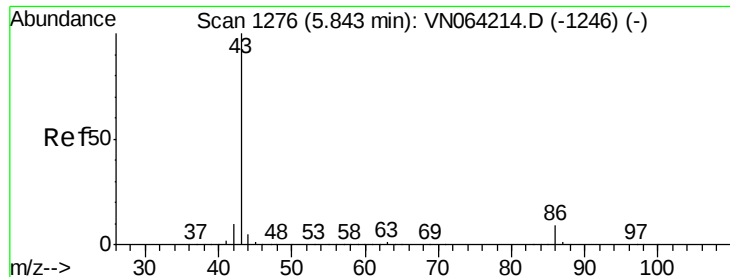


#22

Diisopropyl ether
Concen: 1.157 ug/l m
RT: 5.89 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	101.2	52.2	78.4#
87	17.0	21.4	32.0#
59	15.0	8.3	12.5#





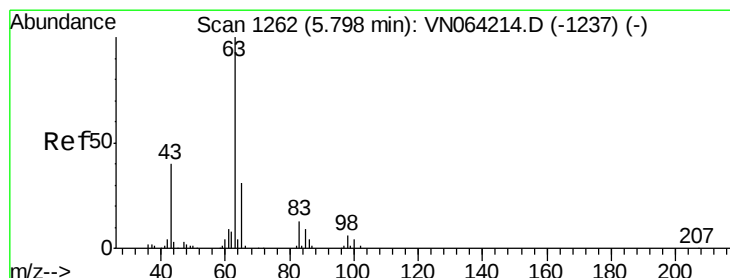
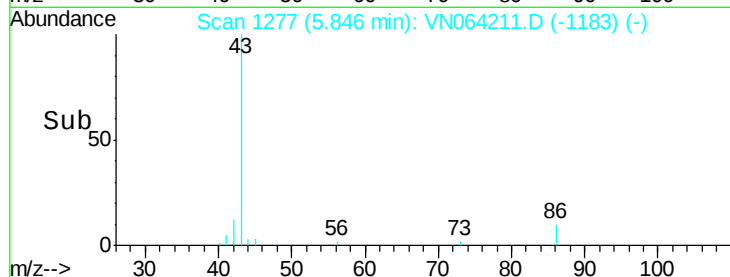
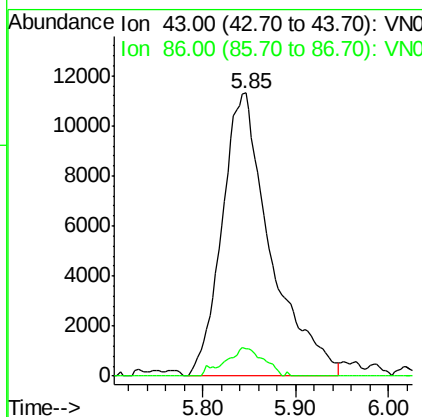
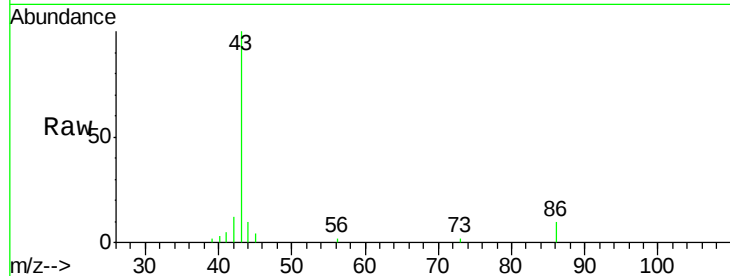
#23
 Vinyl Acetate
 Concen: 4.815 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	86	Resp	Lower	Upper
43	100				
86	9.8		7.4	11.0	

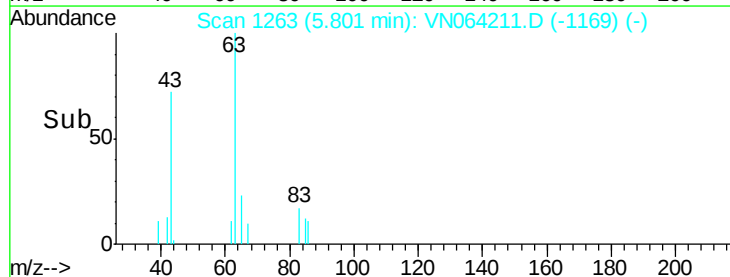
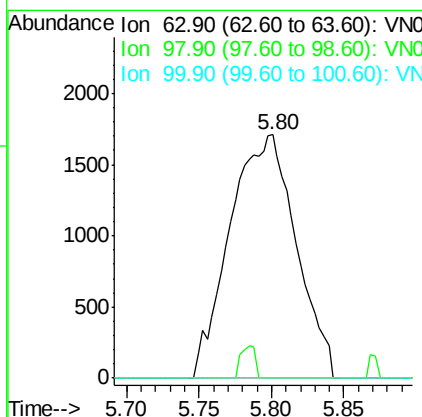
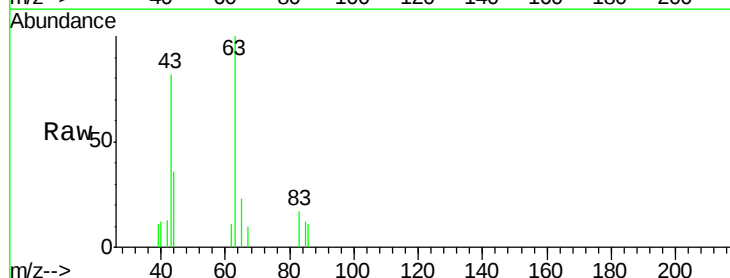
Manual Integrations
 APPROVED

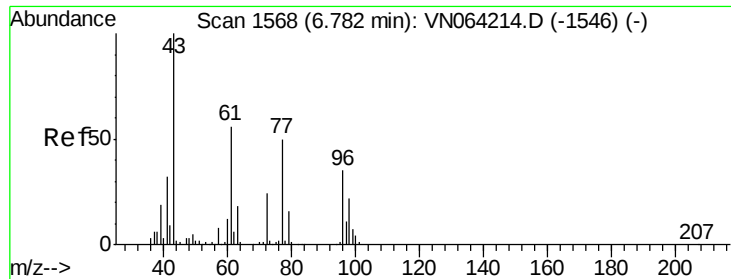
MMDadoda
 10/22/2020 3:25:33 PM



#24
 1,1-Dichloroethane
 Concen: 0.829 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Tgt Ion	63	98	100	Resp	Lower	Upper
63	100					
98	0.0			2.9	8.7#	
100	0.0			2.0	6.0#	





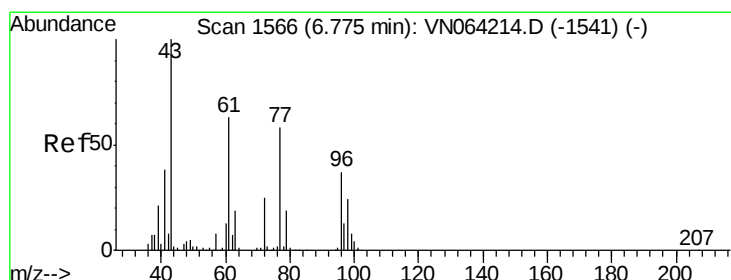
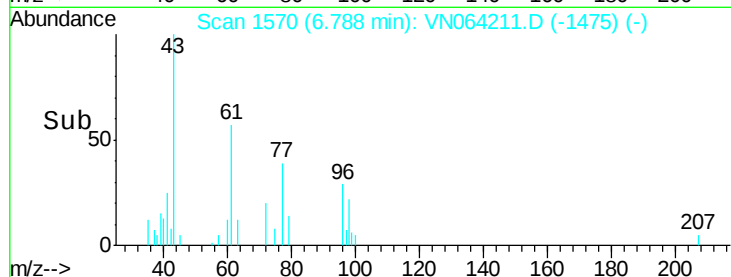
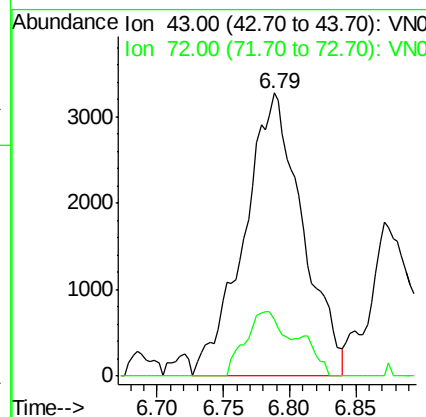
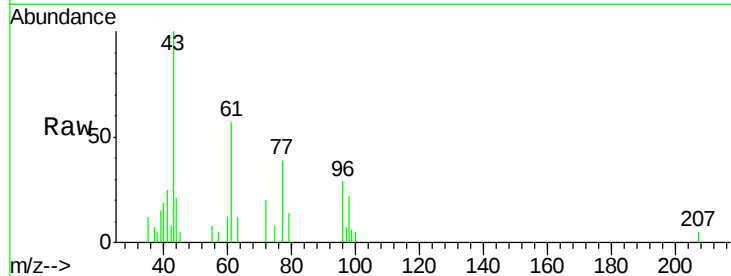
#25
2-Butanone
Concen: 4.946 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 10062
Ion Ratio Lower Upper
43 100
72 20.1 19.4 29.0

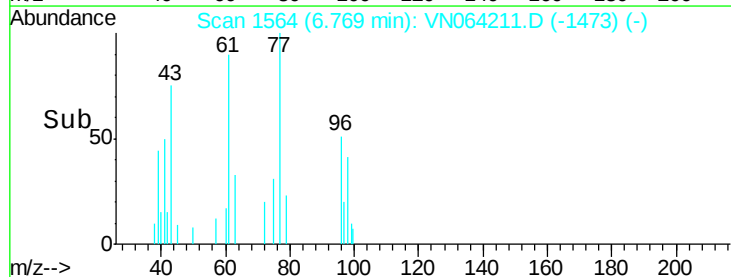
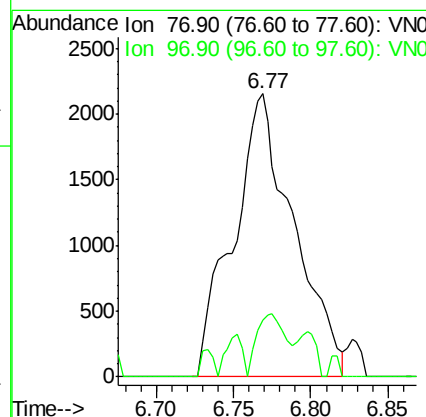
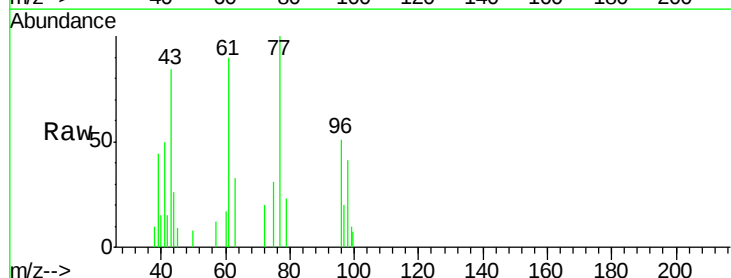
Manual Integrations
APPROVED

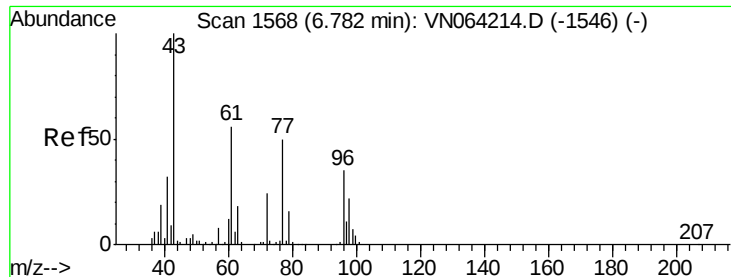
MMDadoda
10/22/2020 3:25:33 PM



#26
2,2-Dichloropropane
Concen: 1.038 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion: 77 Resp: 5842
Ion Ratio Lower Upper
77 100
97 10.7 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 0.897 ug/l m

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064211.D

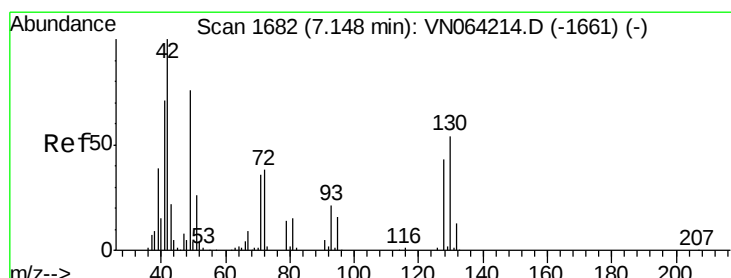
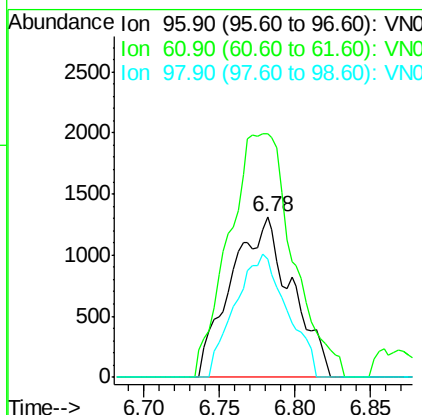
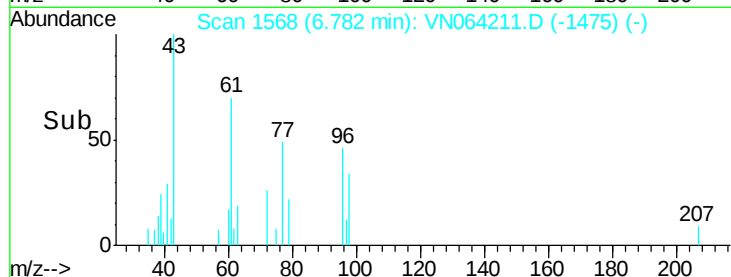
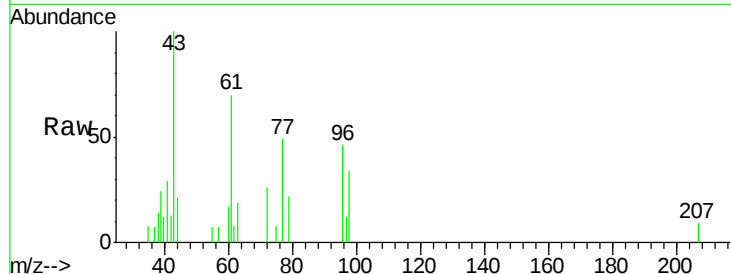
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	330.0
98	65.9	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM



#28

Bromochloromethane

Concen: 0.760 ug/l m

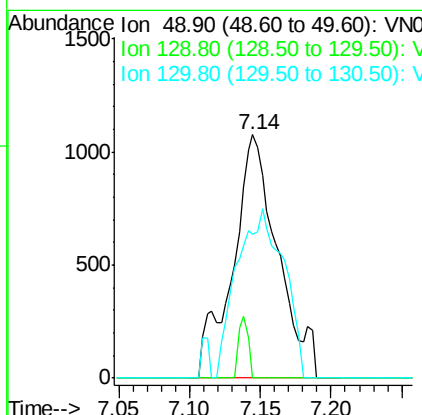
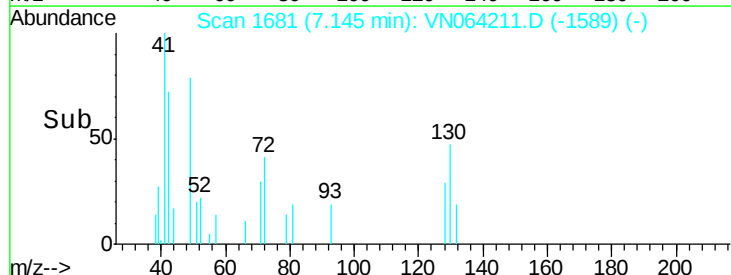
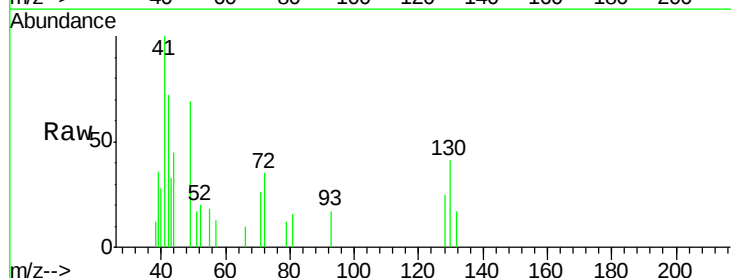
RT: 7.14 min Scan# 1681

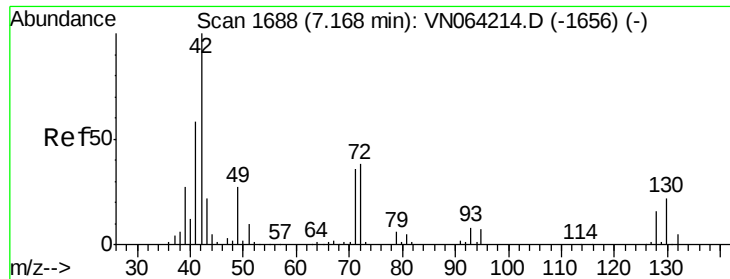
Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	5.5	0.0	2.8#
130	72.9	58.8	88.2





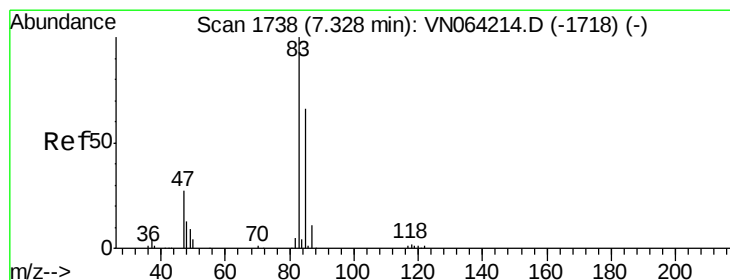
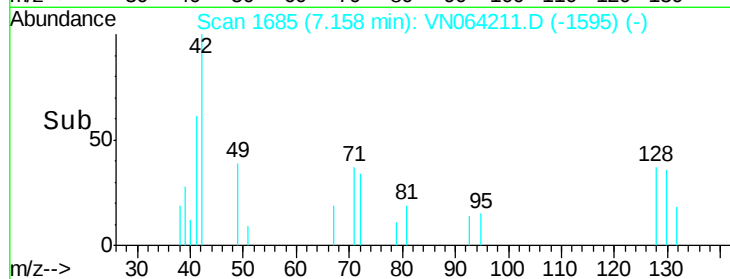
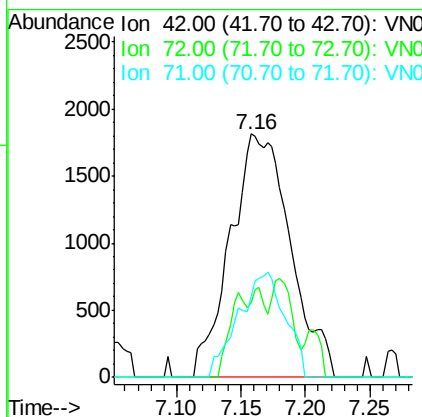
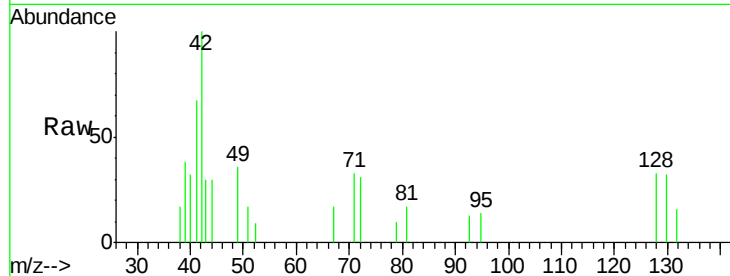
#29
Tetrahydrofuran
Concen: 4.924 ug/l
RT: 7.16 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	10.2	30.8	46.2#
71	0.0	29.0	43.6#

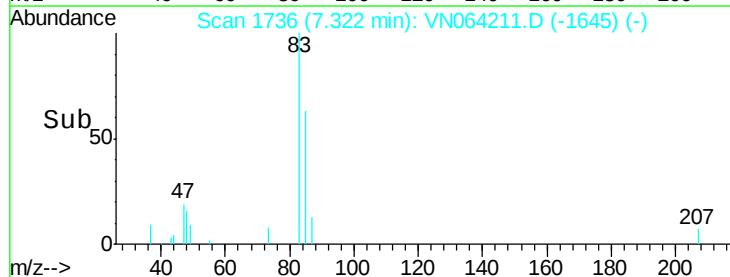
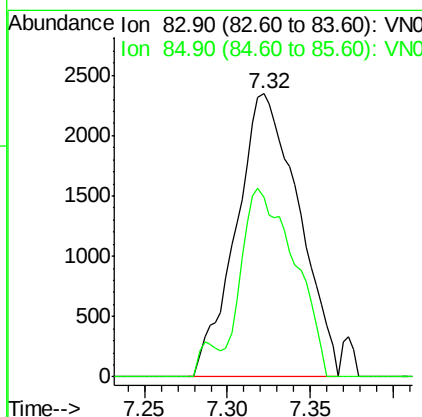
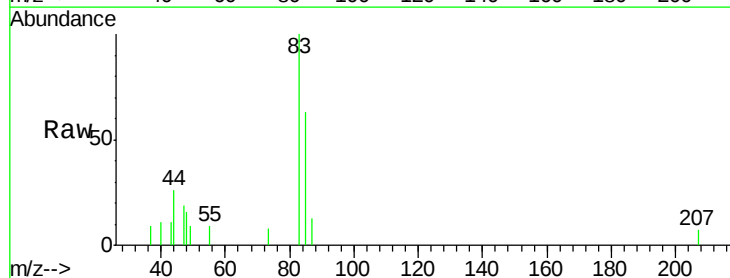
Manual Integrations
APPROVED

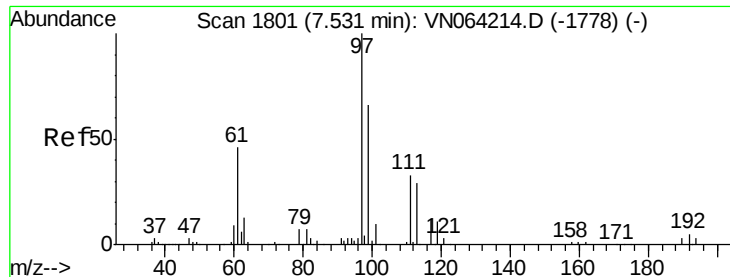
MMDadoda
10/22/2020 3:25:33 PM



#30
Chloroform
Concen: 0.890 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.5	78.7





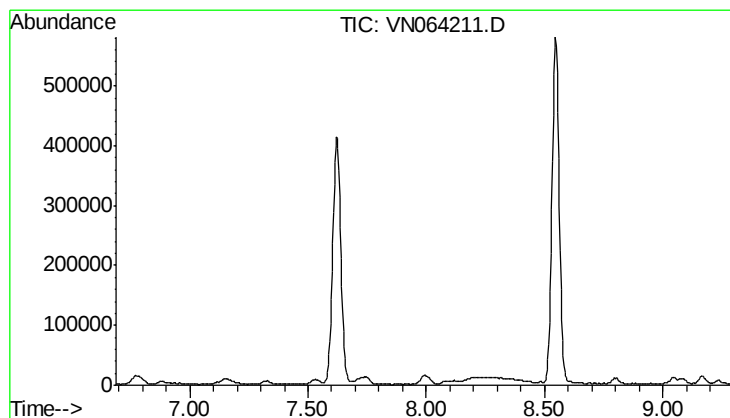
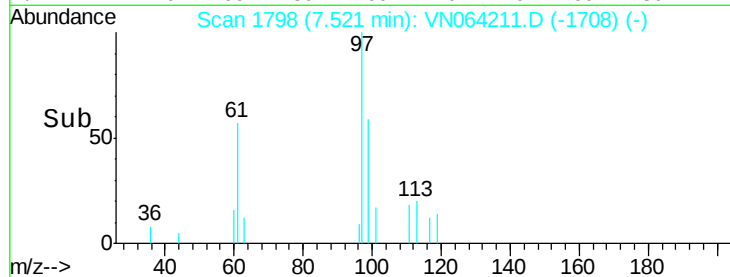
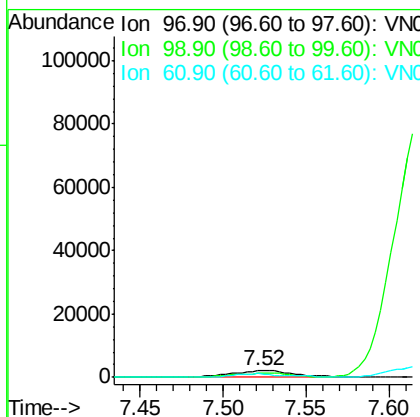
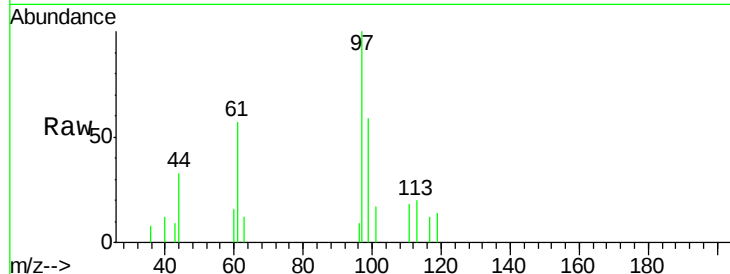
#32
 1,1,1-Trichloroethane
 Concen: 0.897 ug/l
 RT: 7.52 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.2	76.8#	
61	39.4	36.3	54.5	

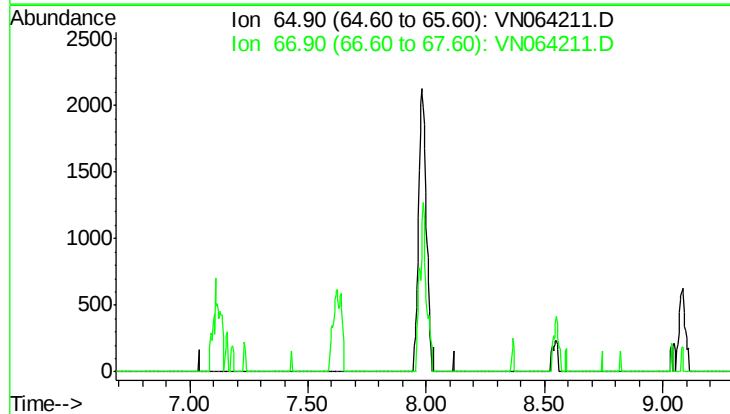
Manual Integrations
 APPROVED

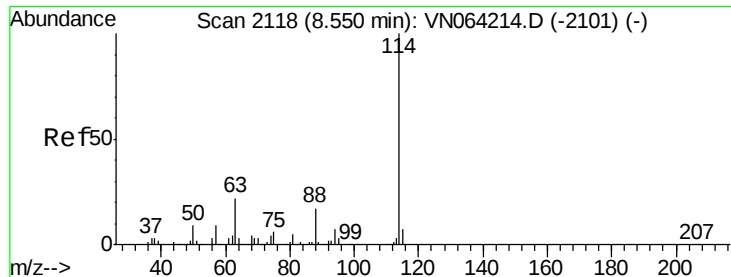
MMDadoda
 10/22/2020 3:25:33 PM



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 7.99 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Tgt Ion	Sig	Exp Ratio
65	100	
67	50.1	





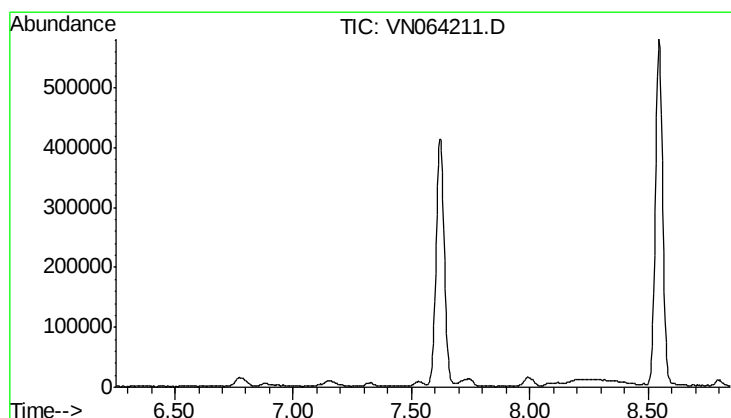
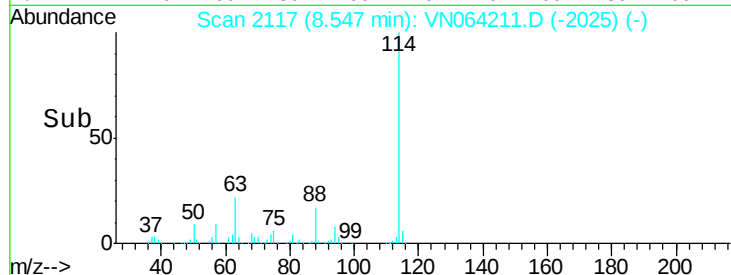
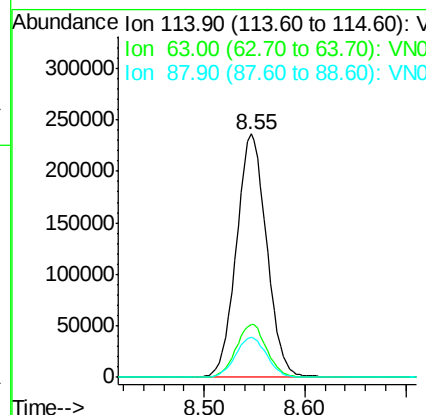
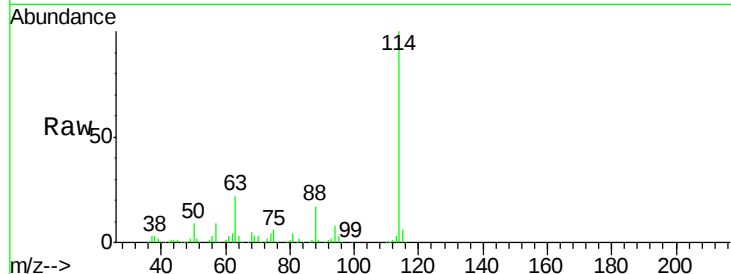
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.7	0.0	44.0
88	16.6	0.0	34.2

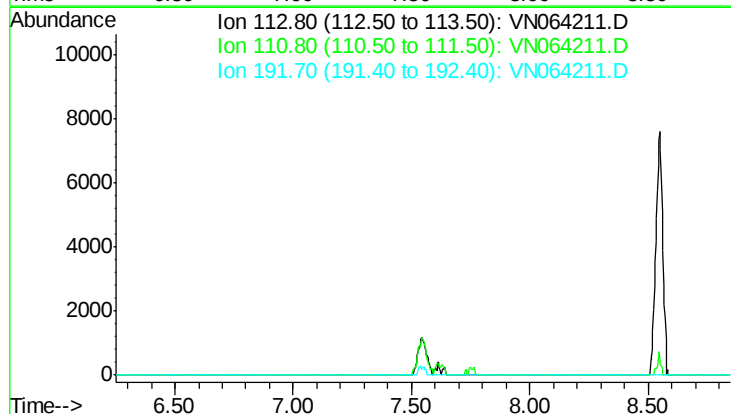
Manual Integrations
 APPROVED

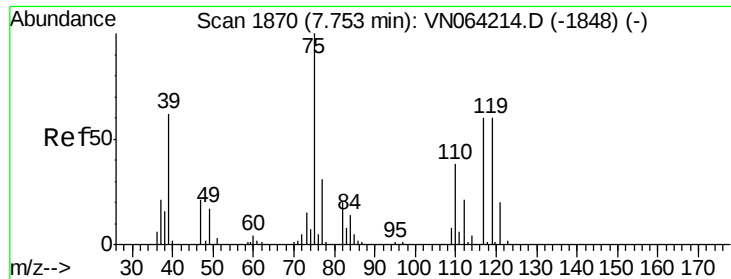
MMDadoda
 10/22/2020 3:25:33 PM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.55 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Tgt Ion	Exp Ratio
113	100
111	105.2
192	19.0





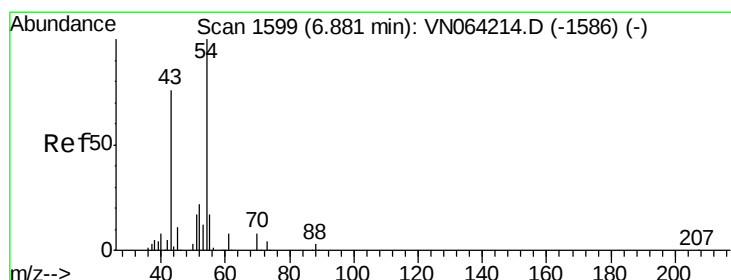
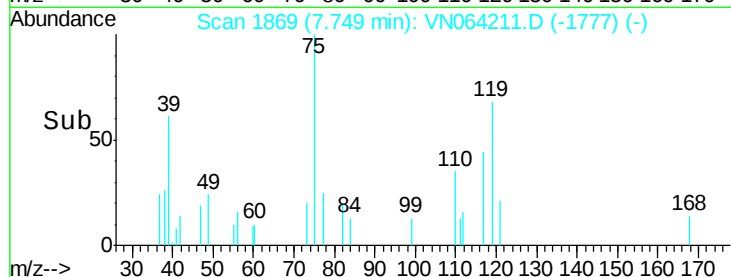
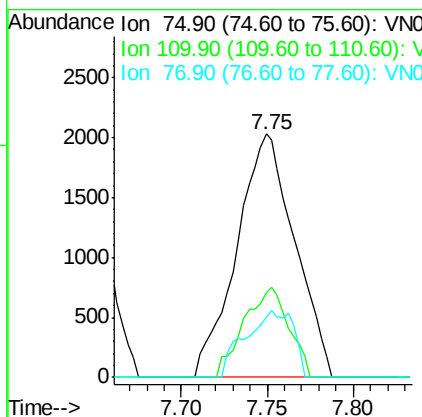
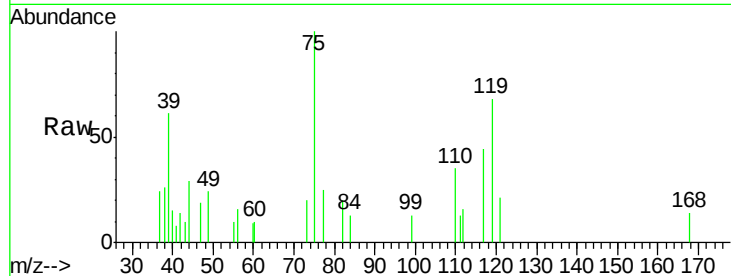
#36
 1,1-Dichloropropene
 Concen: 0.993 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	28.6	17.2	51.6
77	22.7	24.9	37.3#

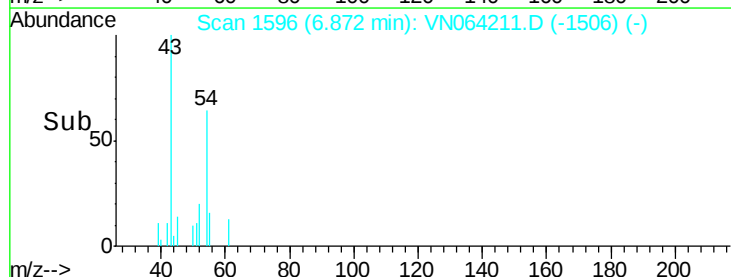
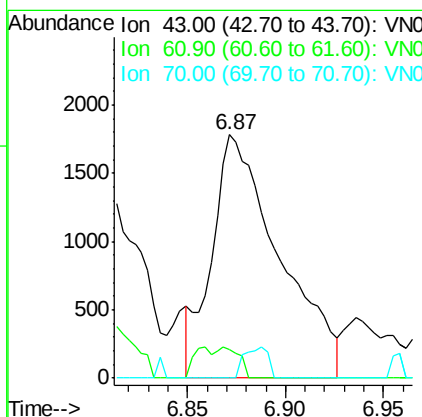
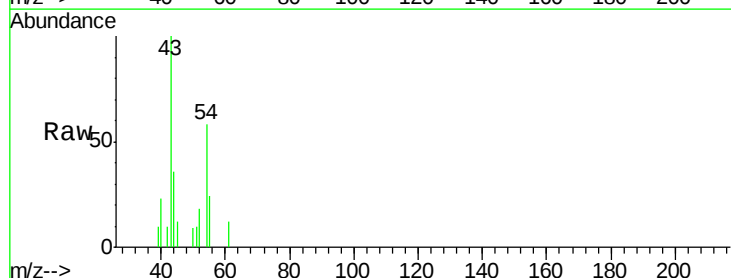
Manual Integrations
 APPROVED

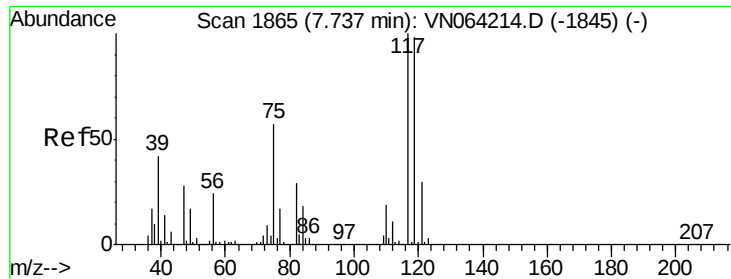
MMDadoda
 10/22/2020 3:25:33 PM



#37
 Ethyl Acetate
 Concen: 1.007 ug/l m
 RT: 6.87 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	4.4	7.5	11.3#





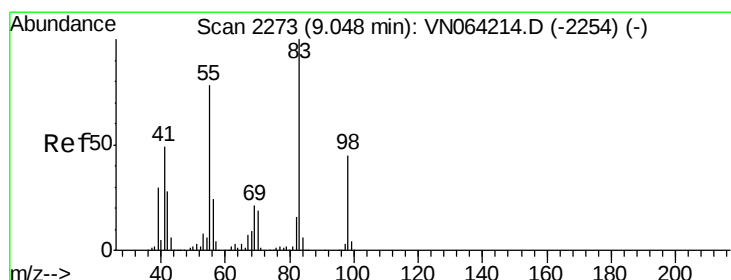
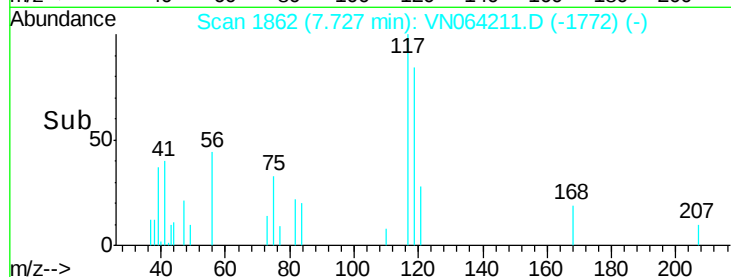
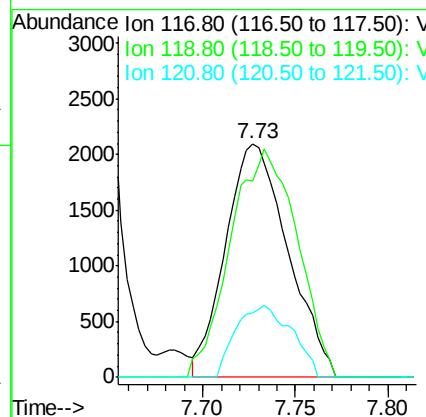
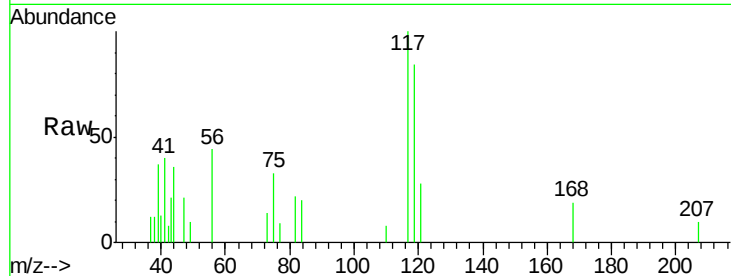
#38
Carbon Tetrachloride
Concen: 0.937 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	84.3	78.5	117.7
121	27.7	24.3	36.5

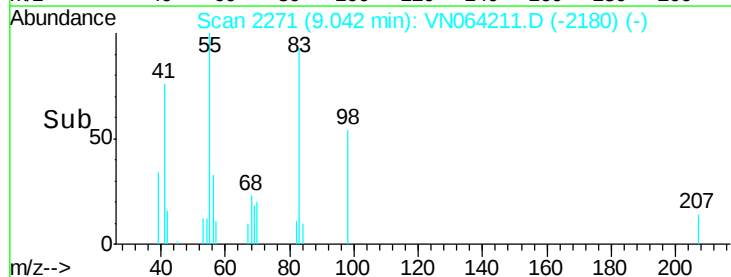
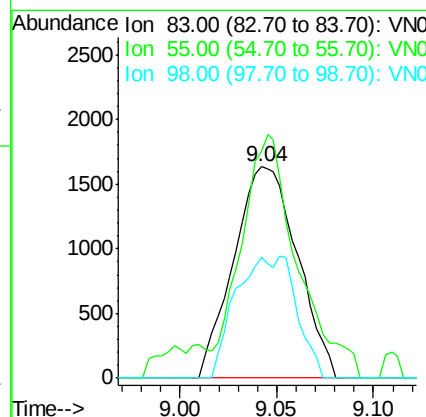
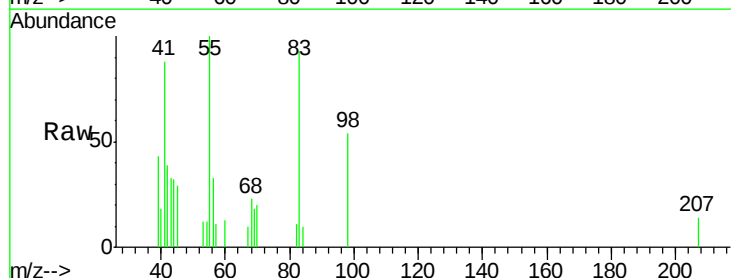
Manual Integrations
APPROVED

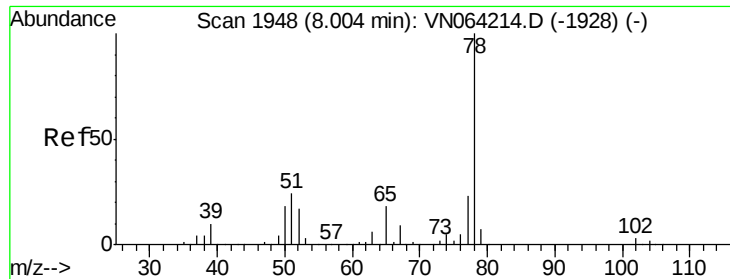
MMDadoda
10/22/2020 3:25:33 PM



#39
Methylcyclohexane
Concen: 0.918 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.0	62.2	93.2
98	57.4	35.9	53.9#





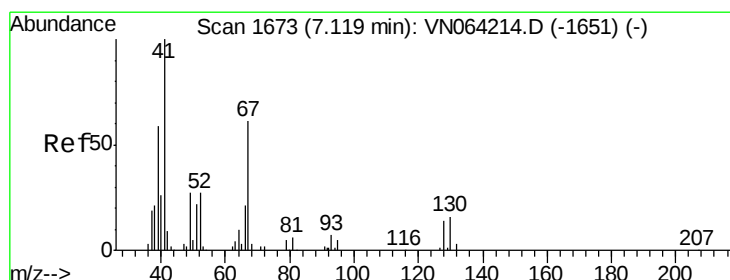
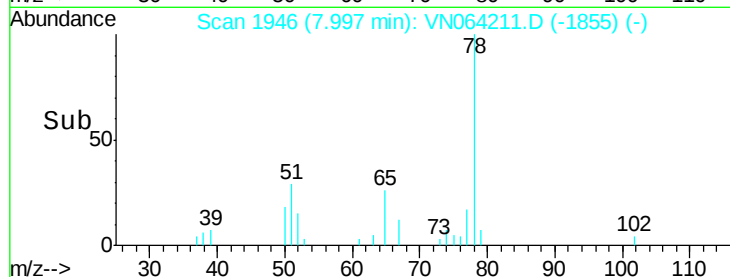
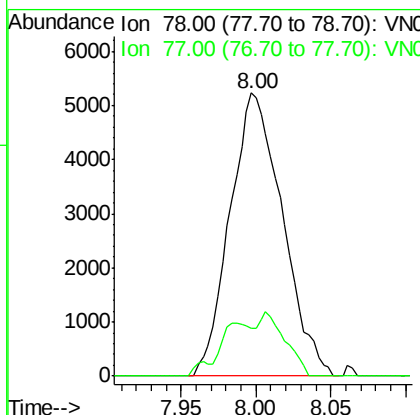
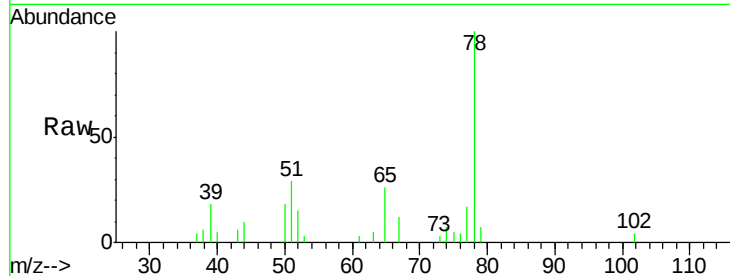
#40
Benzene
Concen: 0.896 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 12758
Ion Ratio Lower Upper
78 100
77 16.9 18.3 27.5#

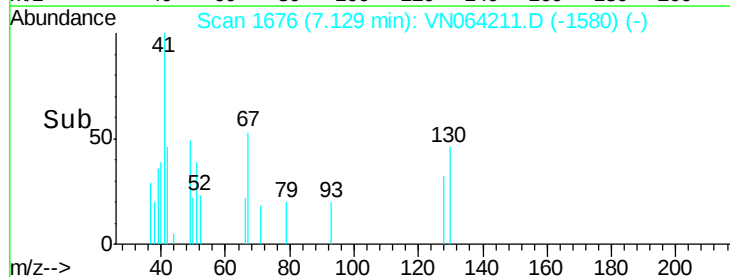
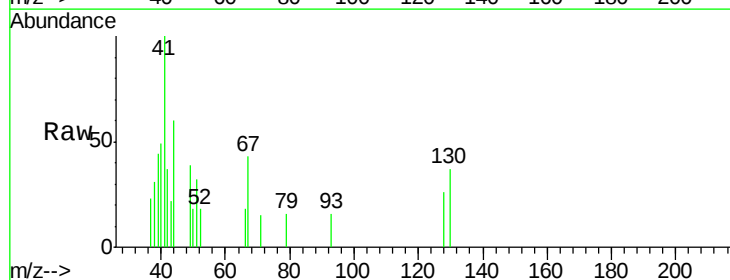
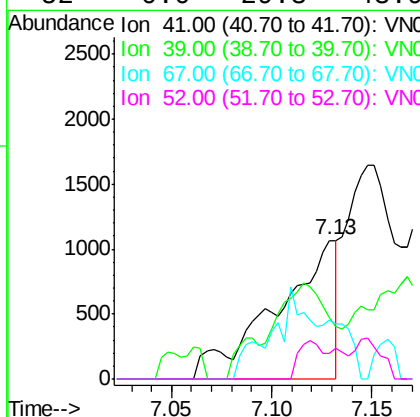
Manual Integrations
APPROVED

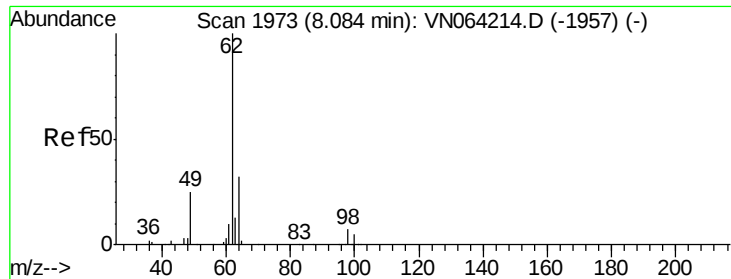
MMDadoda
10/22/2020 3:25:33 PM



#41
Methacrylonitrile
Concen: 1.201 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion: 41 Resp: 2236
Ion Ratio Lower Upper
41 100
39 11.4 50.5 75.7#
67 10.7 63.2 94.8#
52 0.0 29.3 43.9#





#42

1,2-Dichloroethane

Concen: 1.078 ug/l

RT: 8.09 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

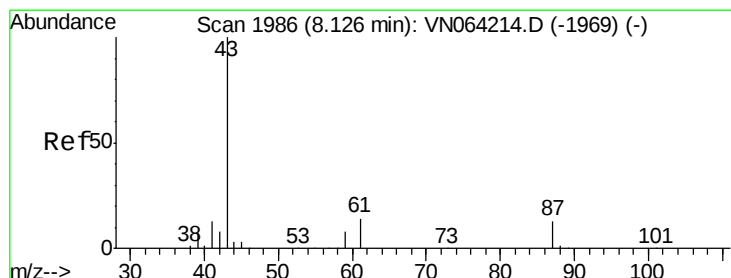
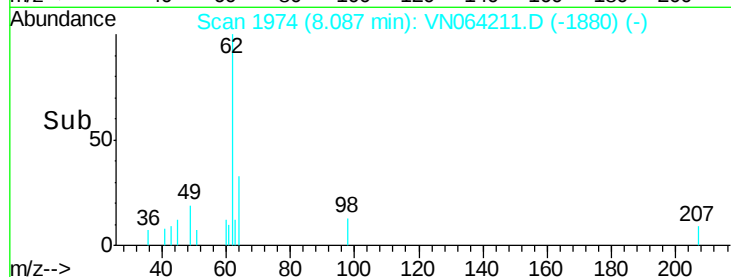
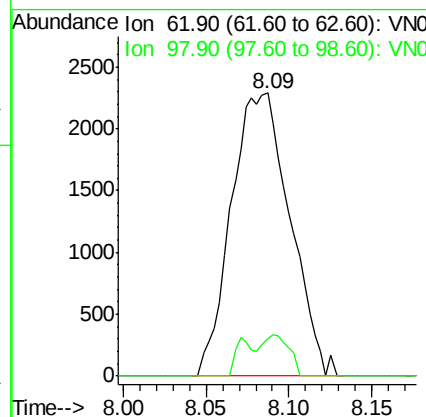
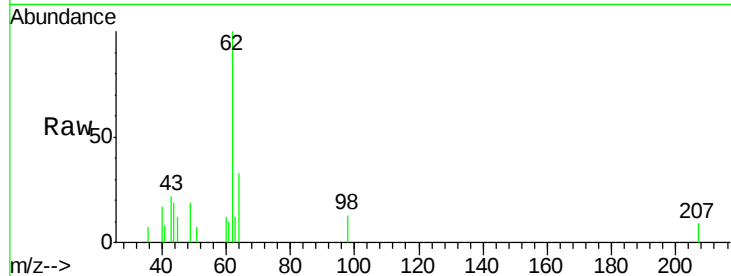
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	5617		
98	6.6	0.0	15.0	

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM



#43

Isopropyl Acetate

Concen: 1.028 ug/l m

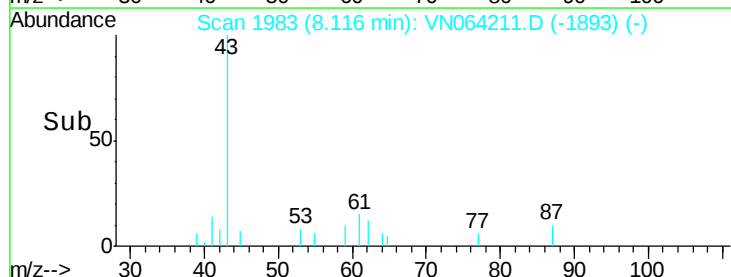
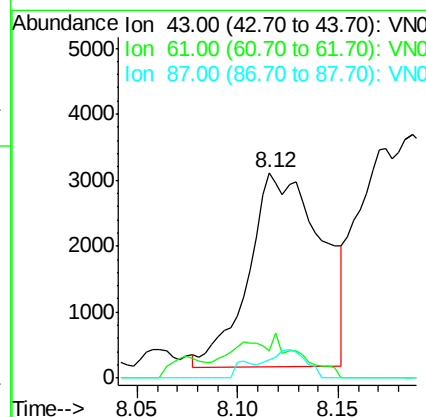
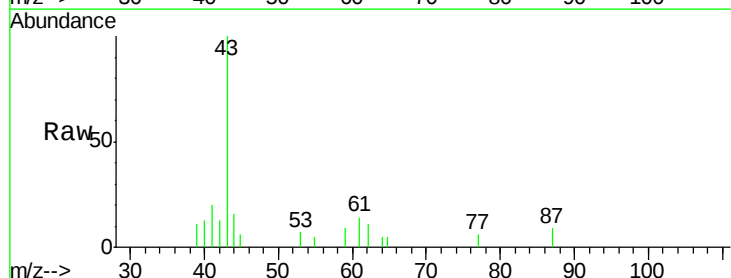
RT: 8.12 min Scan# 1983

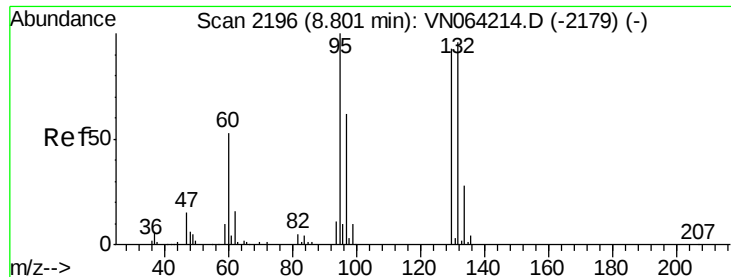
Delta R.T. -0.01 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	7417		
61	0.0	19.6	29.4#	
87	7.2	9.8	14.6#	





#44

Trichloroethene

Concen: 0.924 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 3476

Ion Ratio Lower Upper

130 100

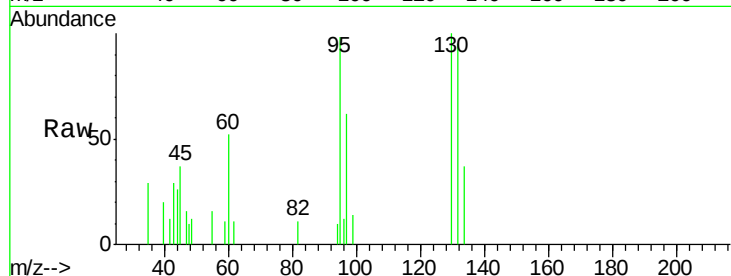
95 98.4 0.0 214.0

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

2000

1500

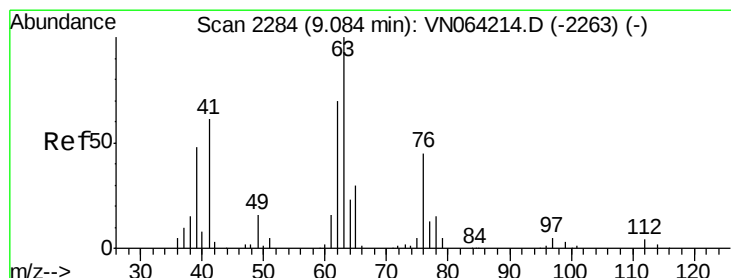
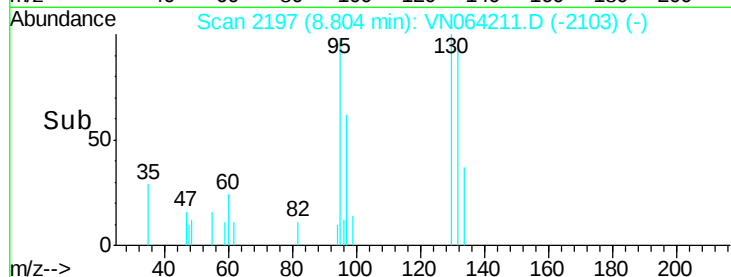
1000

500

0

8.75 8.80 8.85

Time-->



#45

1,2-Dichloropropane

Concen: 0.880 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064211.D

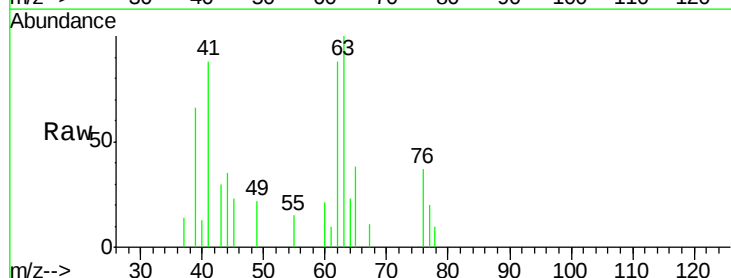
Acq: 21 Oct 2020 10:22

Tgt Ion: 63 Resp: 3313

Ion Ratio Lower Upper

63 100

65 38.1 24.0 36.0#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

1500

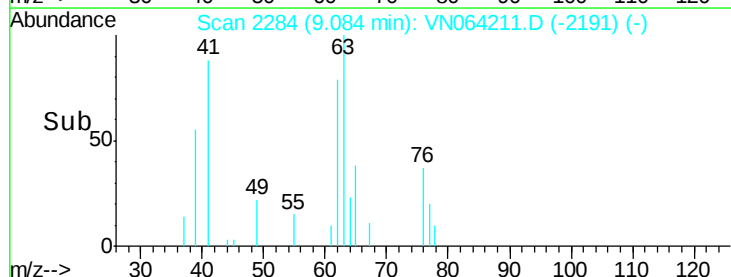
1000

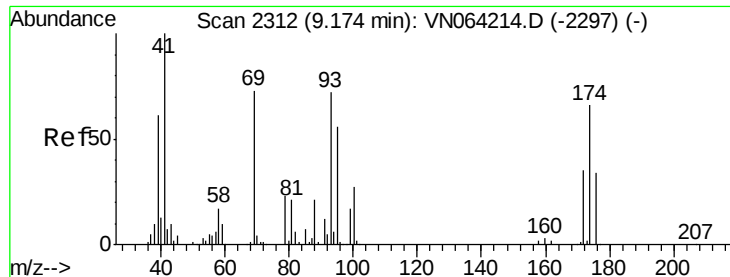
500

0

9.05 9.10

Time-->





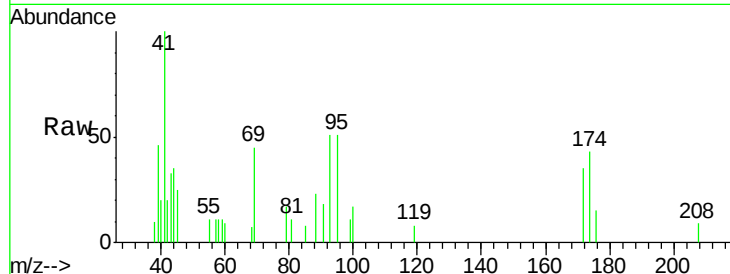
#46
Dibromomethane
Concen: 0.803 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

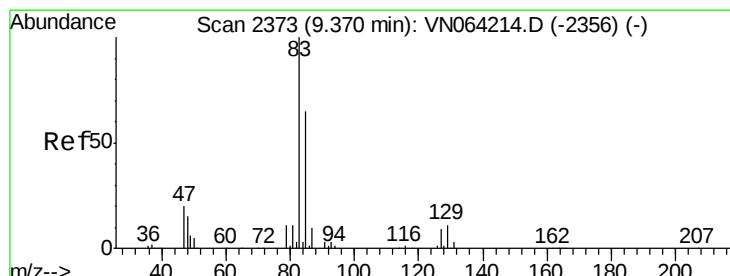
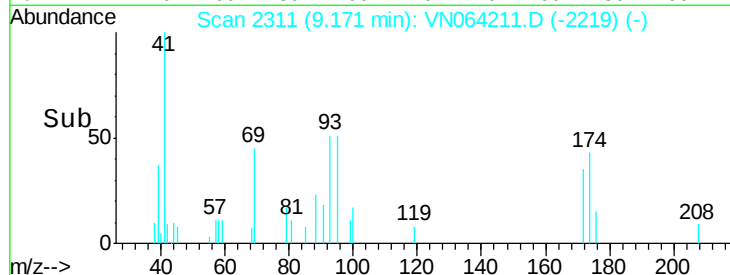
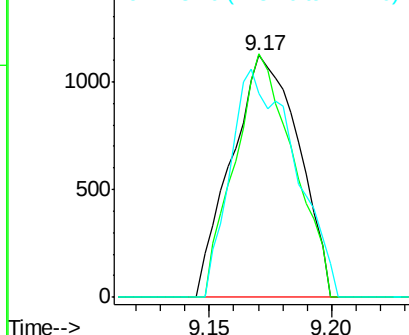
Tot Ion: 93 Resp: 2139
Ion Ratio Lower Upper
93 100
95 88.1 63.0 94.4
174 90.9 72.9 109.3

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM

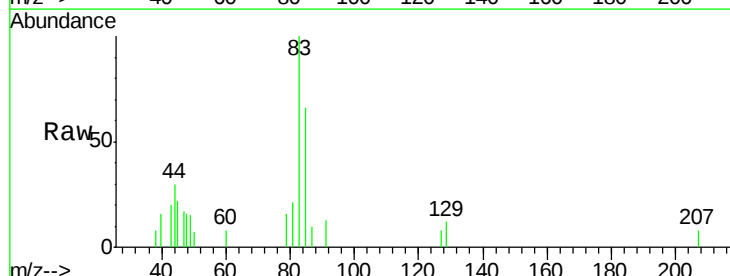


Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

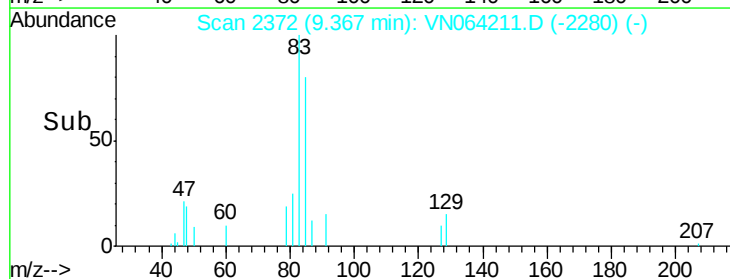
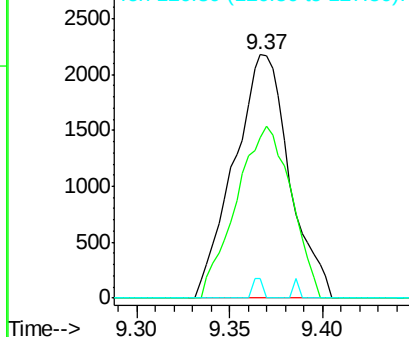


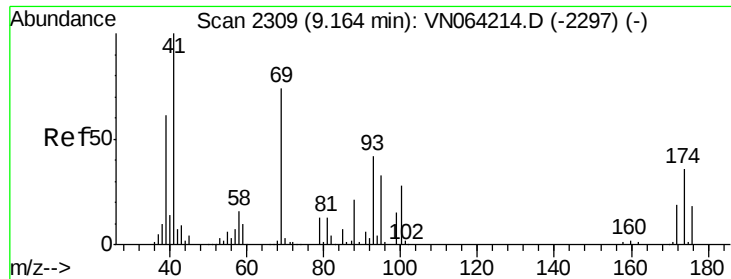
#47
Bromodichloromethane
Concen: 0.862 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion: 83 Resp: 4538
Ion Ratio Lower Upper
83 100
85 66.1 51.8 77.8
127 8.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V





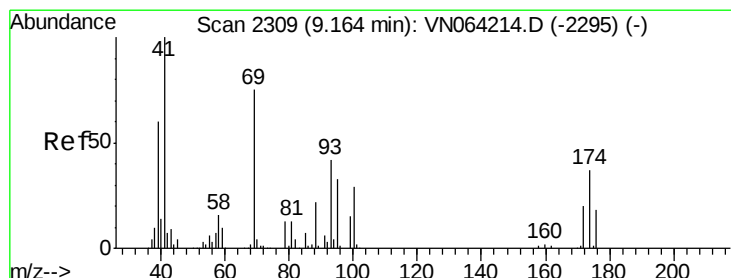
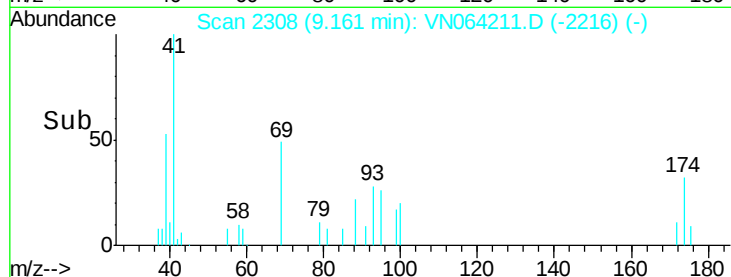
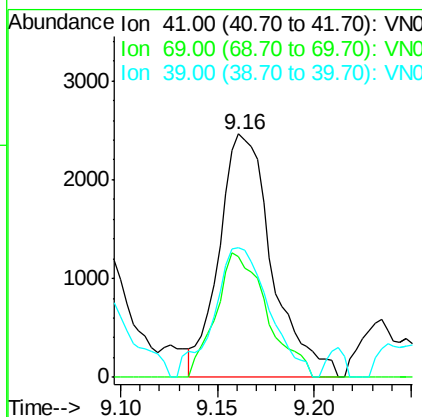
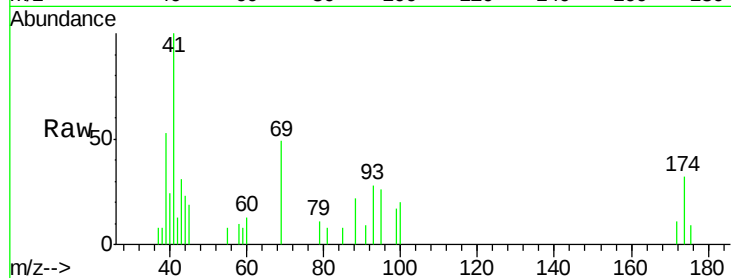
#48
Methvl methacrylate
Concen: 1.388 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 4693
Ion Ratio Lower Upper
41 100
69 49.4 57.3 85.9#
39 55.4 48.6 73.0

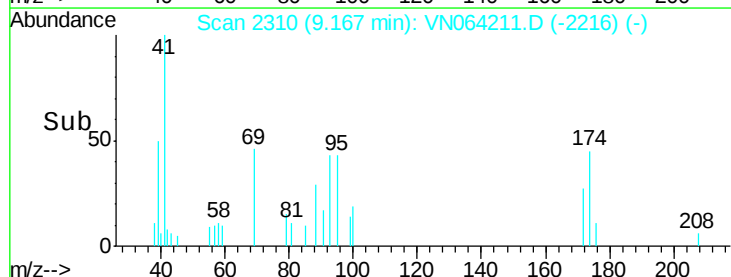
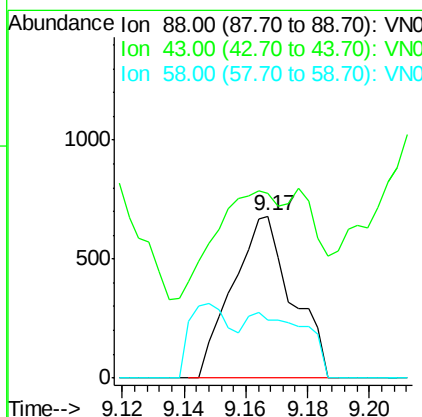
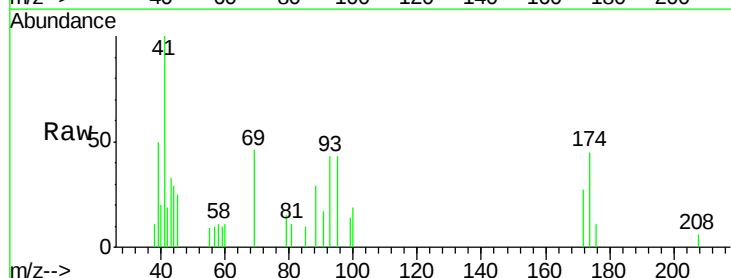
Manual Integrations
APPROVED

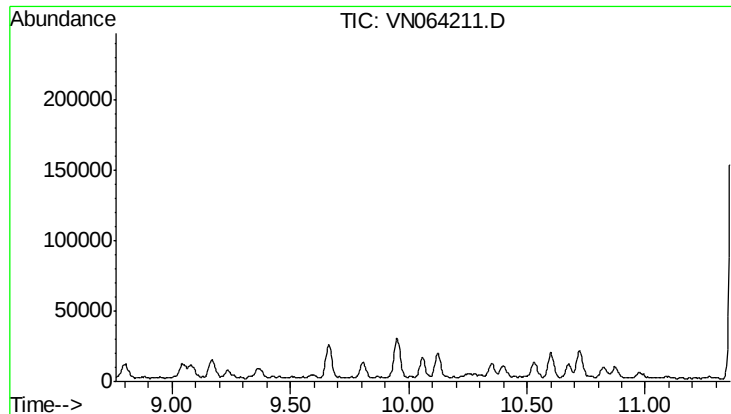
MMDadoda
10/22/2020 3:25:33 PM



#49
1,4-Dioxane
Concen: 18.330 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion: 88 Resp: 909
Ion Ratio Lower Upper
88 100
43 69.6 34.6 52.0#
58 39.7 59.0 88.6#





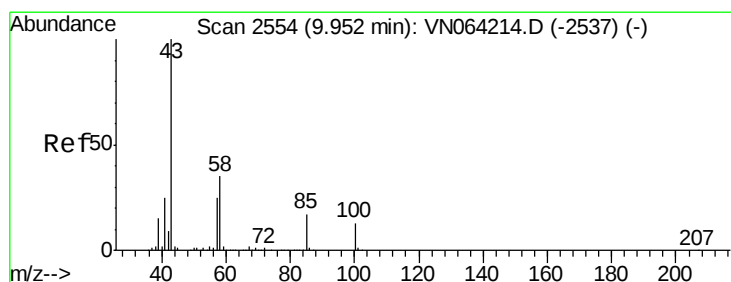
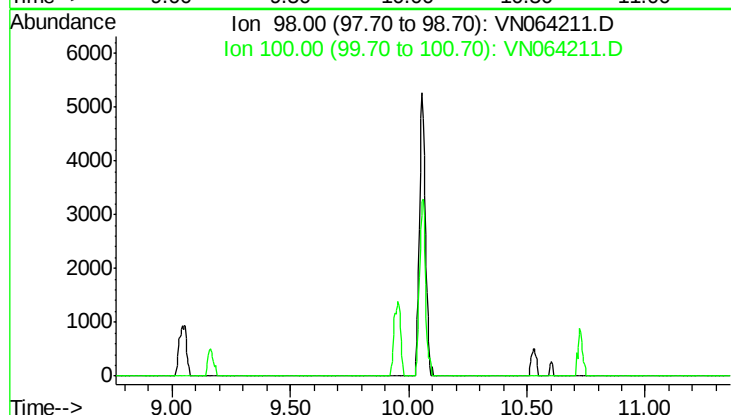
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.06 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.5

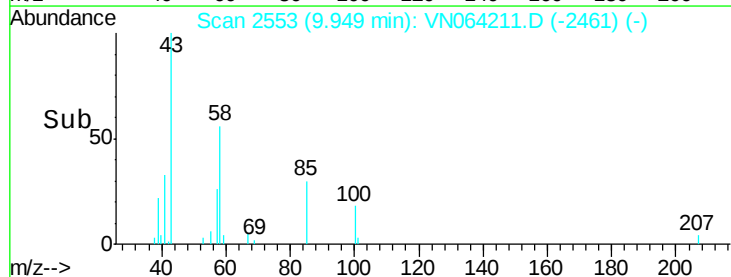
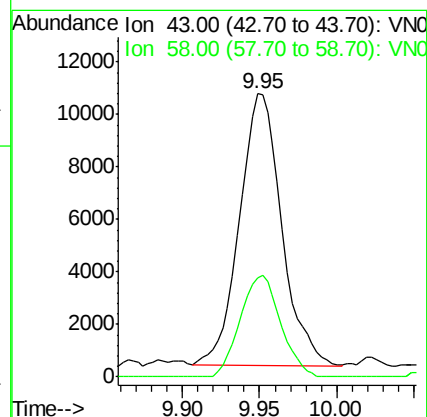
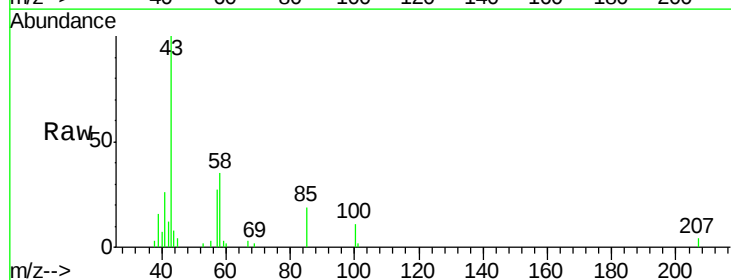
Manual Integrations
APPROVED

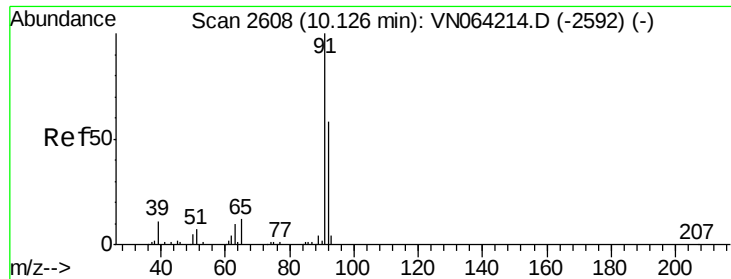
MMDadoda
10/22/2020 3:25:33 PM



#51
4-Methyl-2-Pentanone
Concen: 4.675 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion: 43 Resp: 19582
Ion Ratio Lower Upper
43 100
58 35.8 28.6 42.8





#52

Toluene

Concen: 0.886 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 7764

Ion Ratio Lower Upper

92 100

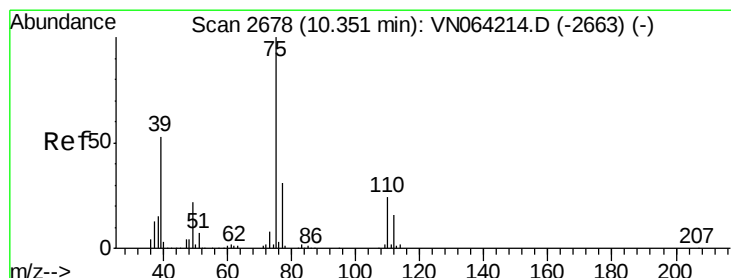
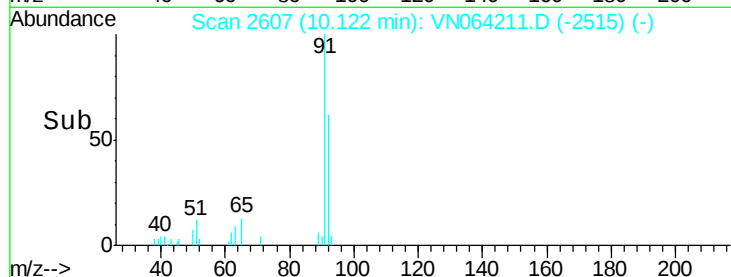
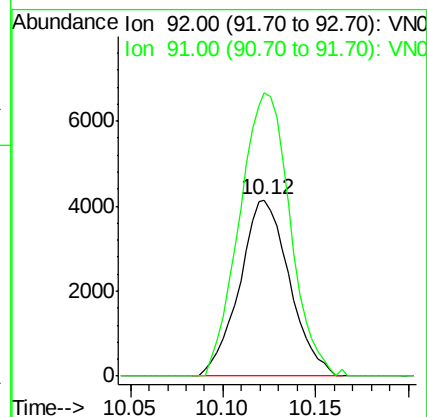
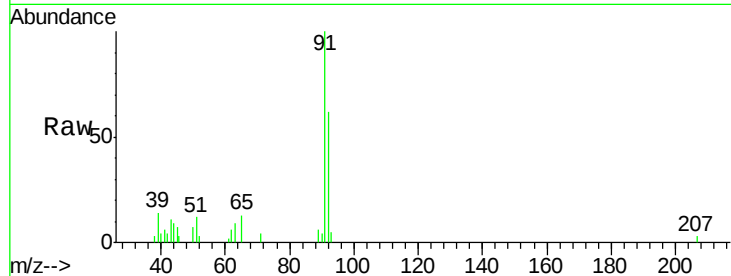
91 163.4 137.4 206.2

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



#53

t-1,3-Dichloropropene

Concen: 0.875 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064211.D

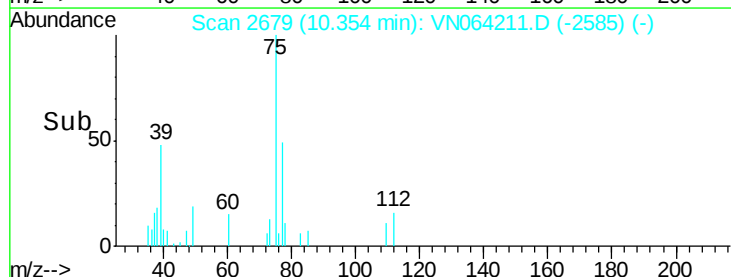
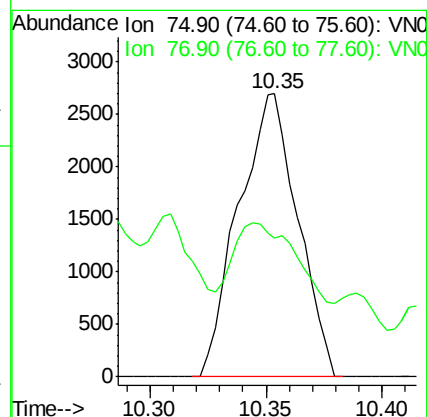
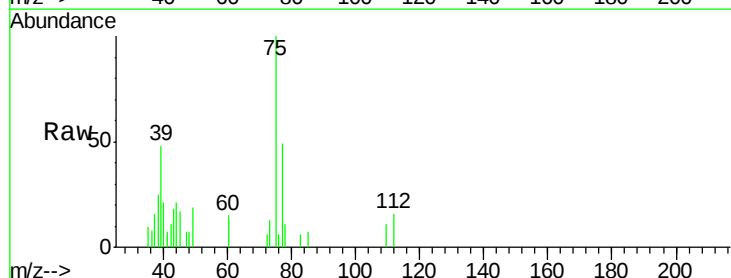
Acq: 21 Oct 2020 10:22

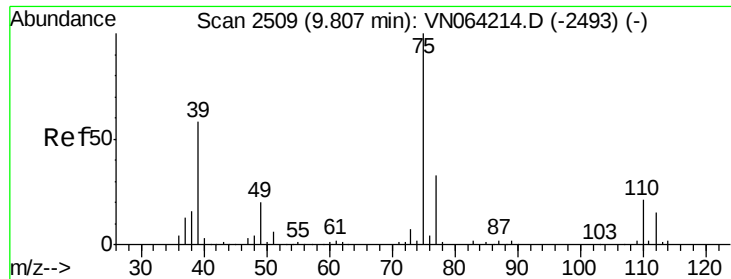
Tgt Ion: 75 Resp: 4785

Ion Ratio Lower Upper

75 100

77 21.7 25.4 38.2#





#54

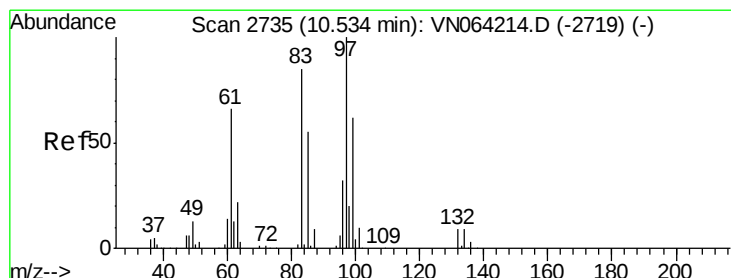
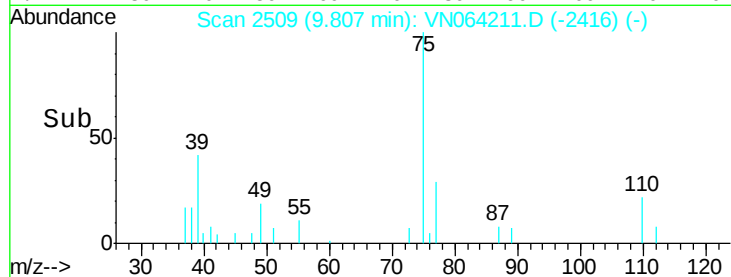
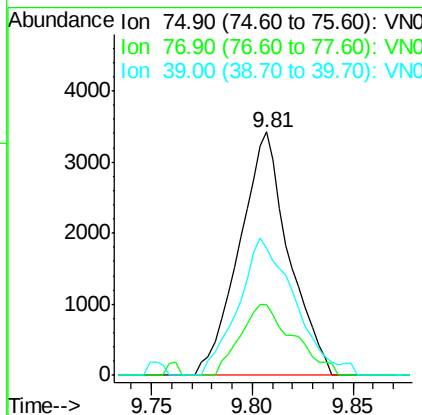
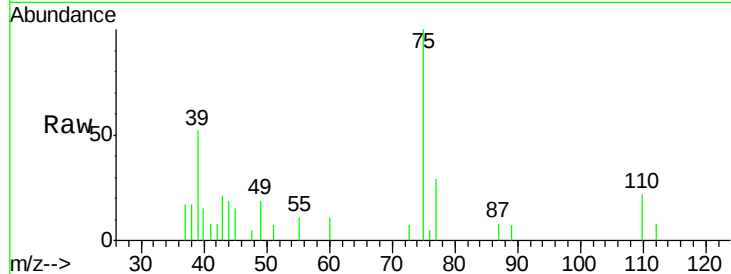
cis-1,3-Dichloropropene
Concen: 0.981 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.8	26.6	39.8
39	52.1	46.7	70.1

Manual Integrations
APPROVED

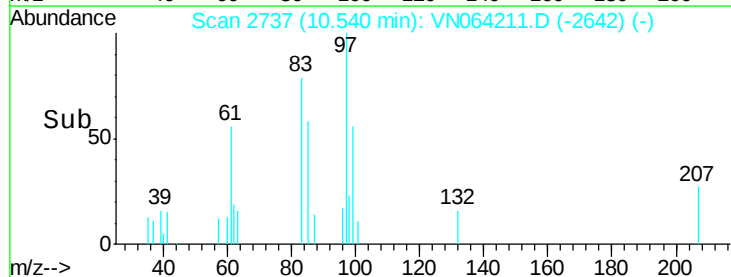
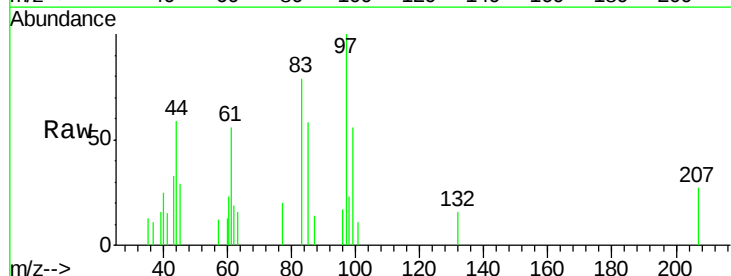
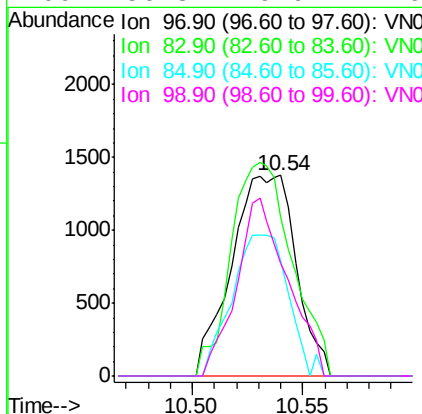
MMDadoda
10/22/2020 3:25:33 PM

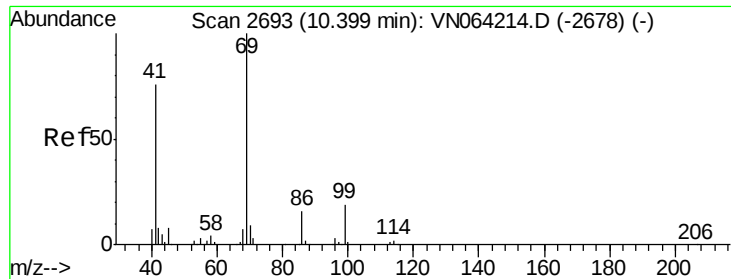


#55

1,1,2-Trichloroethane
Concen: 0.771 ug/l
RT: 10.54 min Scan# 2737
Delta R.T. 0.01 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.8	67.8	101.6
85	57.5	43.6	65.4
99	56.3	49.9	74.9





#56

Ethyl methacrylate

Concen: 0.924 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

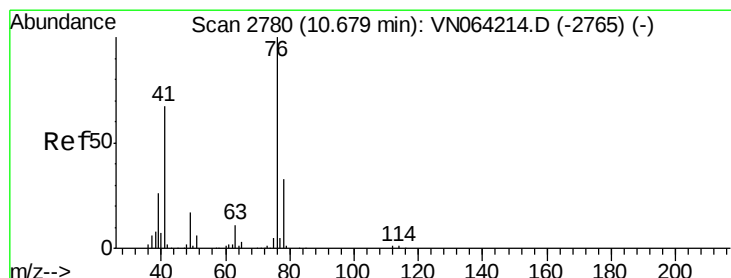
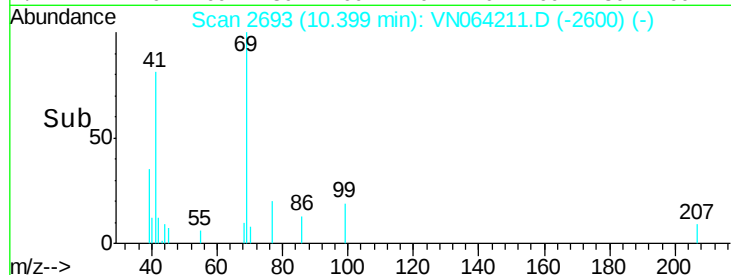
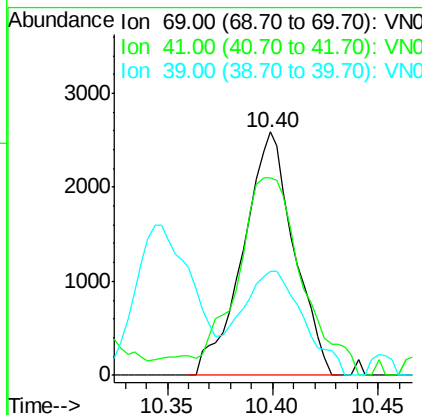
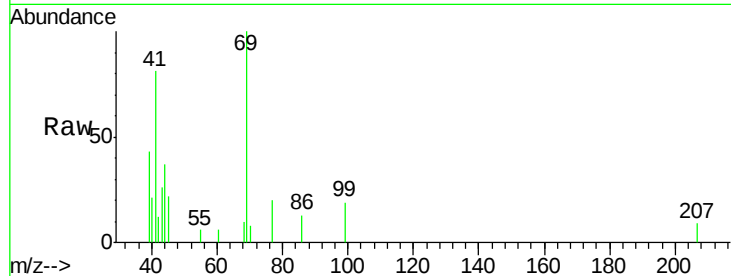
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	103.5	61.4	92.2#
39	51.3	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM



#57

1,3-Dichloropropane

Concen: 0.765 ug/l

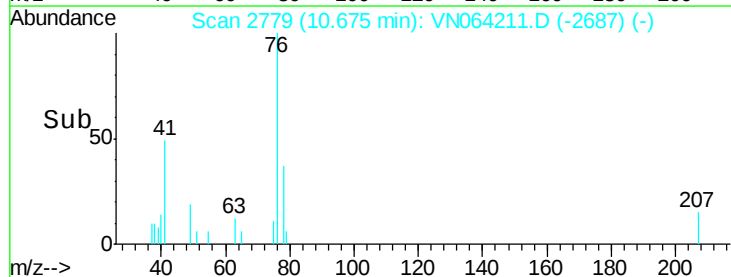
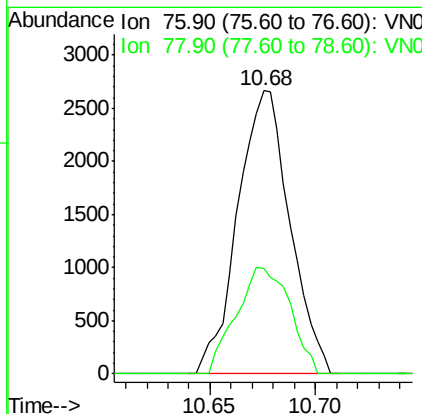
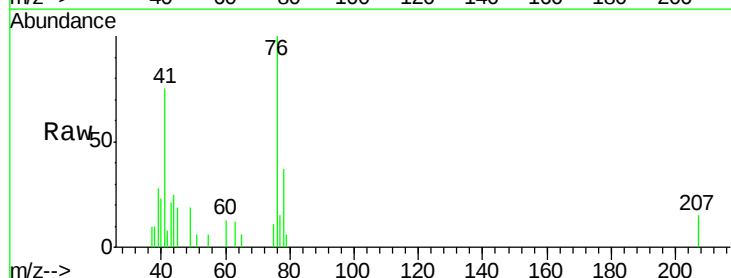
RT: 10.68 min Scan# 2779

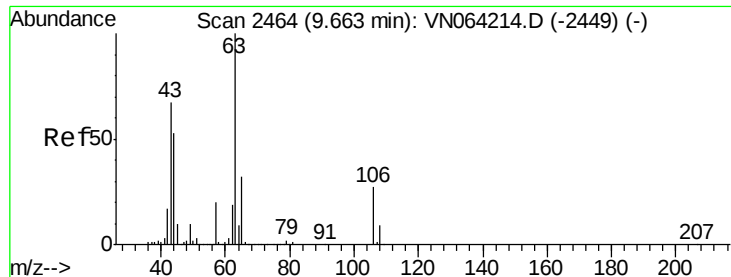
Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
76	100		
78	38.5	26.2	39.2





#58

2-Chloroethyl Vinyl ether

Concen: 4.199 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 9876

Ion Ratio Lower Upper

63 100

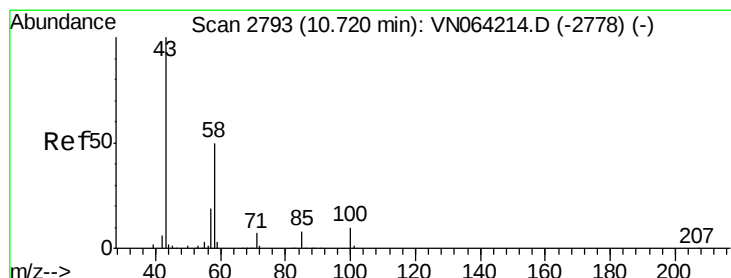
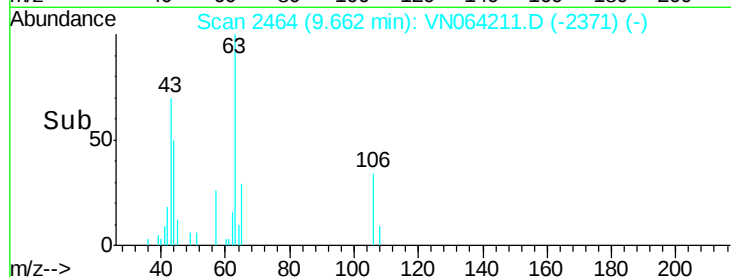
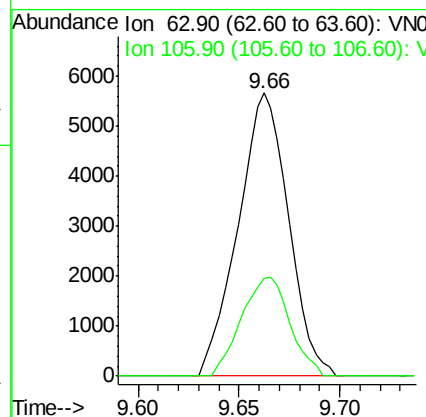
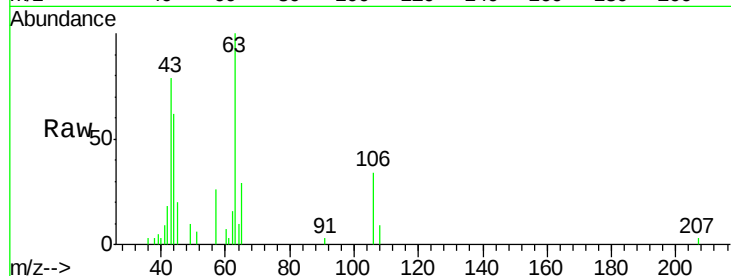
106 33.5 21.3 31.9#

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



#59

2-Hexanone

Concen: 4.755 ug/l

RT: 10.72 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN064211.D

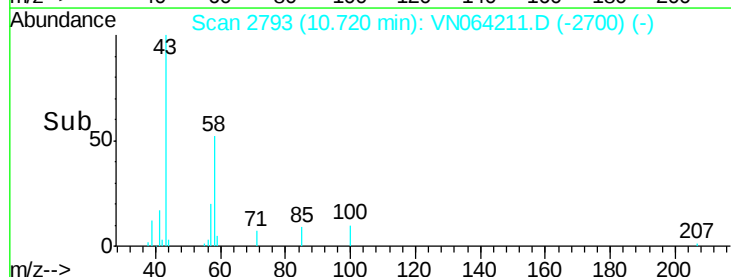
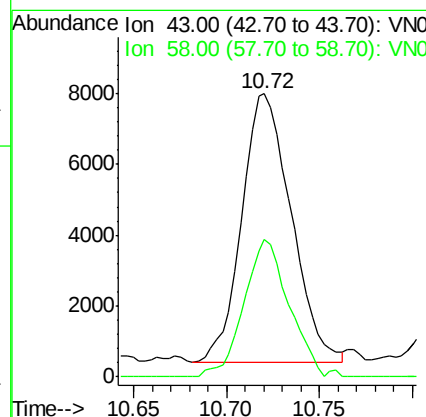
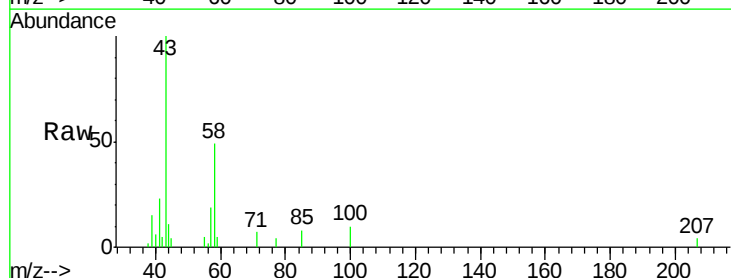
Acq: 21 Oct 2020 10:22

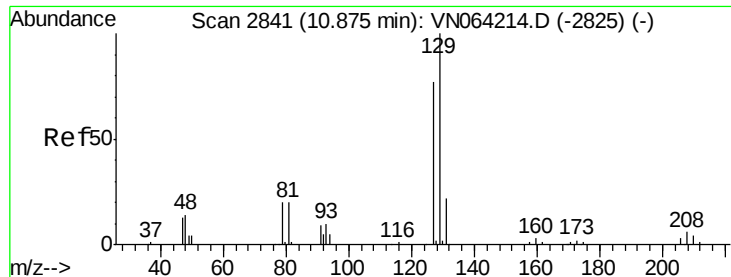
Tgt Ion: 43 Resp: 14029

Ion Ratio Lower Upper

43 100

58 46.3 24.8 74.3





#60

Dibromochloromethane

Concen: 1.039 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4275

Ion Ratio Lower Upper

129 100

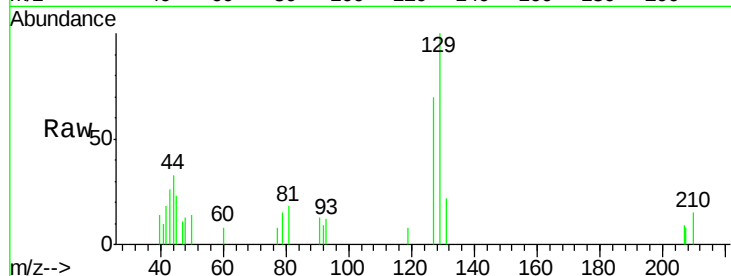
127 60.5 38.8 116.3

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.87

2500

2000

1500

1000

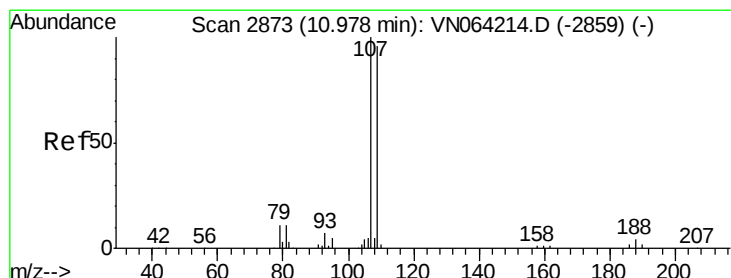
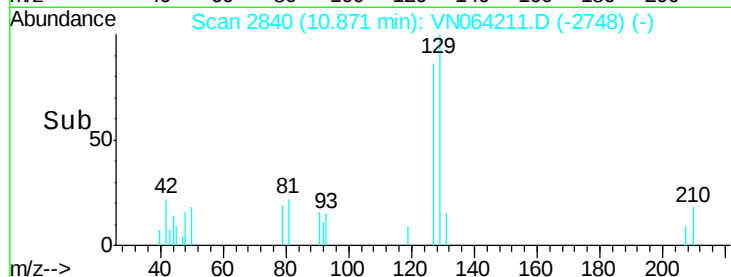
500

0

10.85

10.90

Time-->



#61

1,2-Dibromoethane

Concen: 0.778 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064211.D

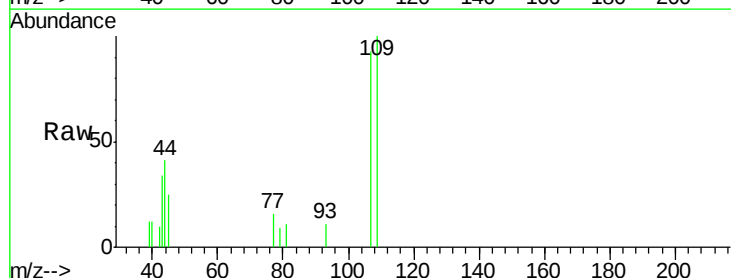
Acq: 21 Oct 2020 10:22

Tgt Ion:107 Resp: 2861

Ion Ratio Lower Upper

107 100

109 97.2 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

2000

1500

1000

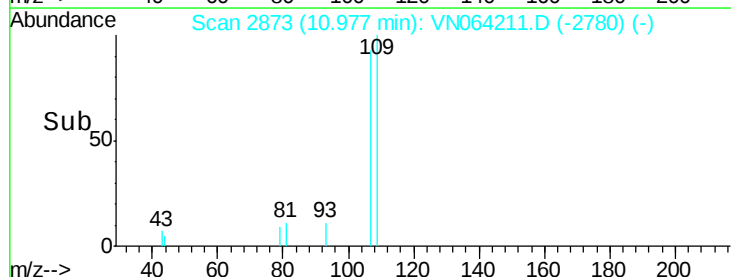
500

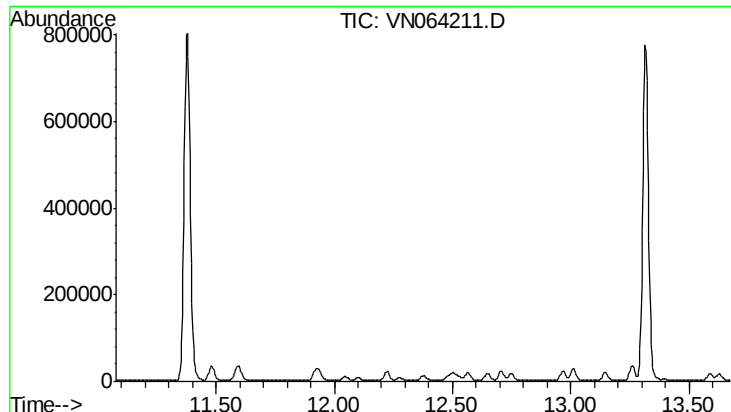
0

10.95

11.00

Time-->





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.38 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Tot Ion: 95

Sig Exp Ratio

95 100

174 72.2

176 69.6

Instrument :

MSVOA_N

ClientSampleId :

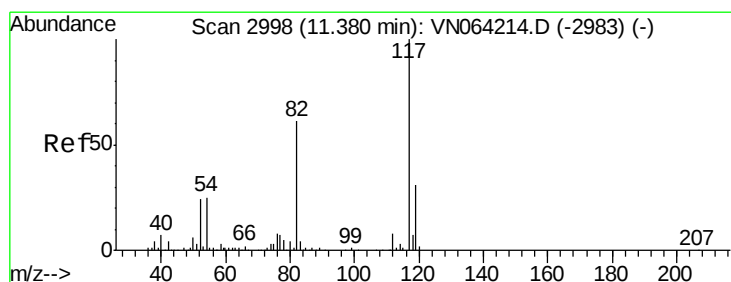
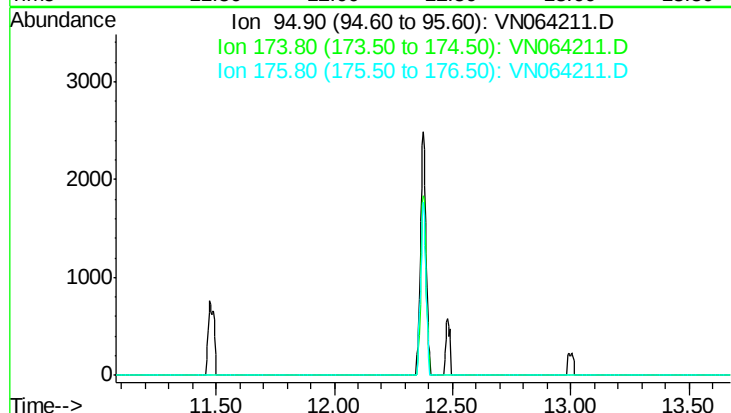
VSTDIC001

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

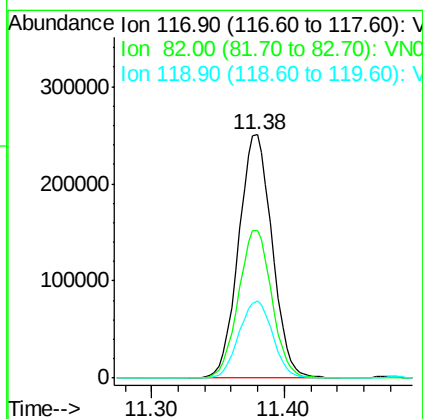
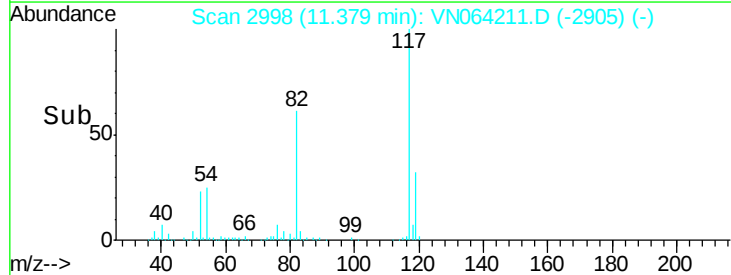
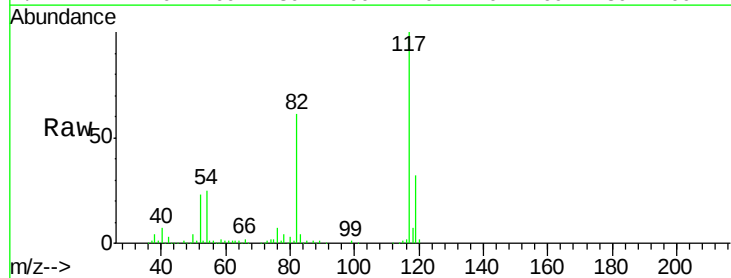
Tgt Ion:117 Resp: 440100

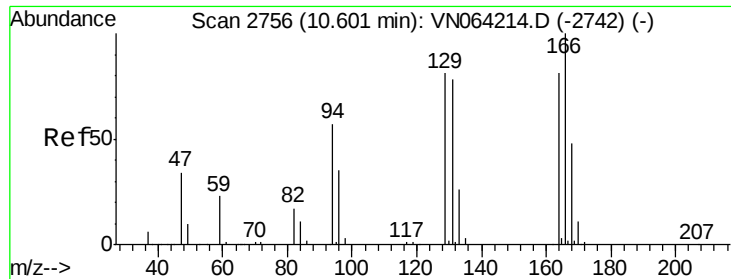
Ion Ratio Lower Upper

117 100

82 60.7 48.8 73.2

119 31.6 24.7 37.1





#64

Tetrachloroethene

Concen: 0.946 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

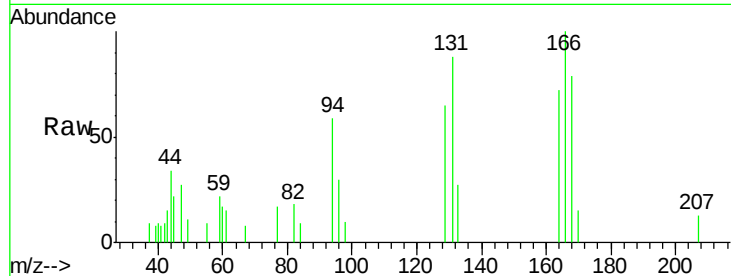
ClientSampleId :

VSTDIC001

Tot Ion	164	Resp:	3175
Ion	Ratio	Lower	Upper
164	100		
166	139.4	98.9	148.3
129	91.0	79.9	119.9
131	122.8	76.7	115.1#

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM

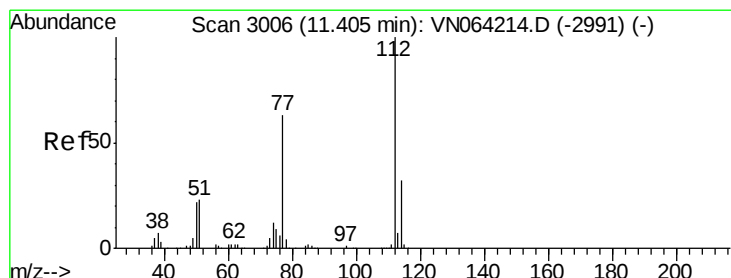
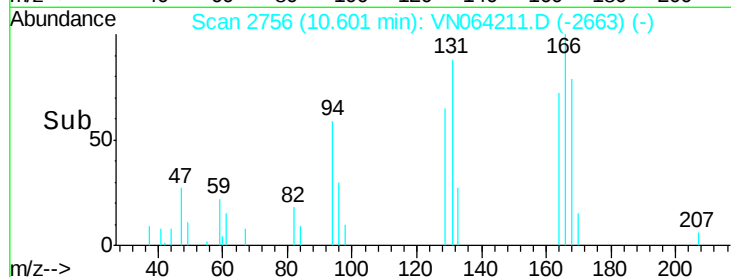
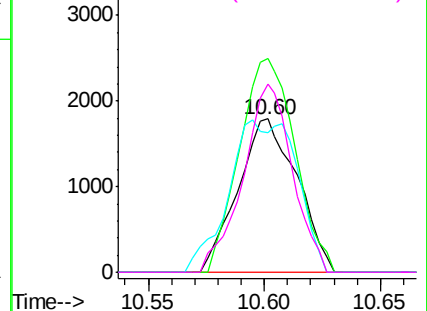


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.854 ug/l

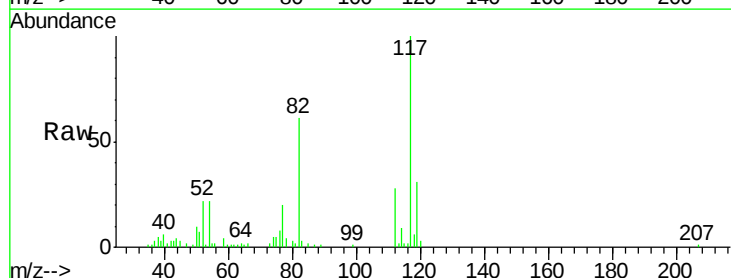
RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064211.D

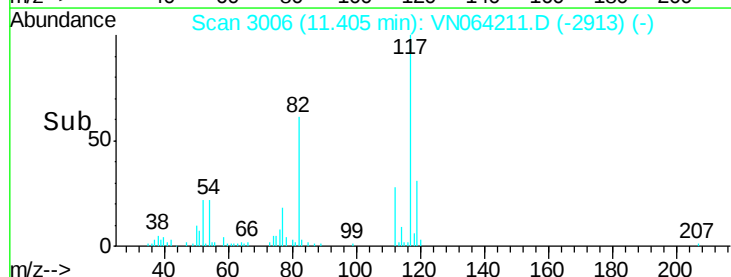
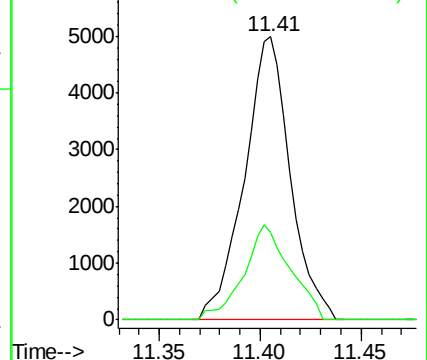
Acq: 21 Oct 2020 10:22

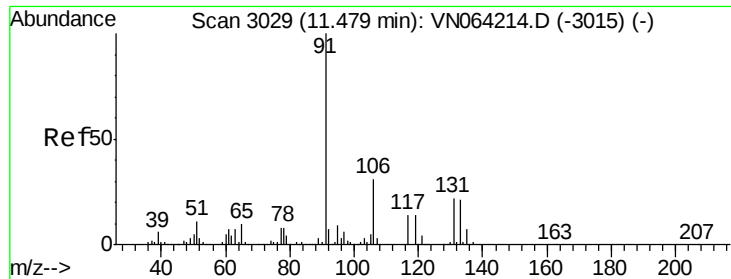
Tgt Ion	112	Resp:	7931
Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.7	38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.943 ug/l

RT: 11.48 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:131 Resp: 3348

Ion Ratio Lower Upper

131 100

133 91.6 47.8 143.4

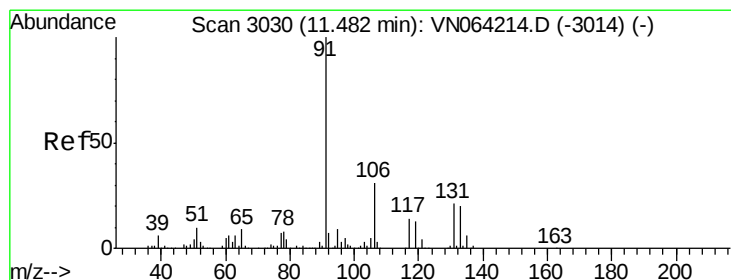
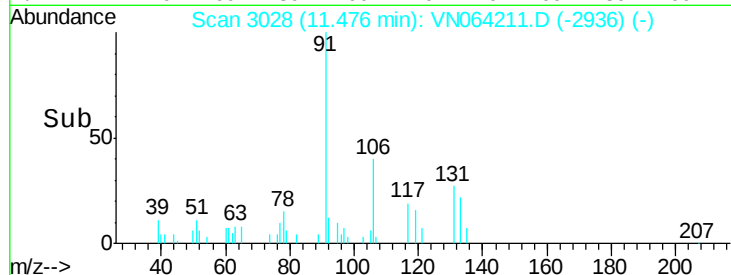
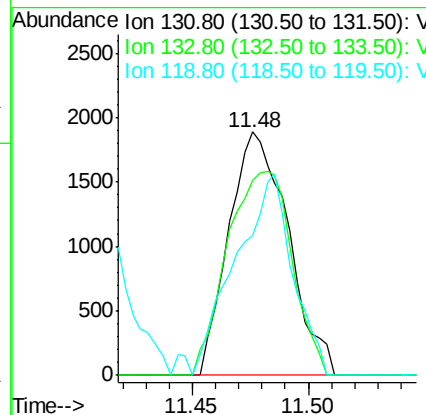
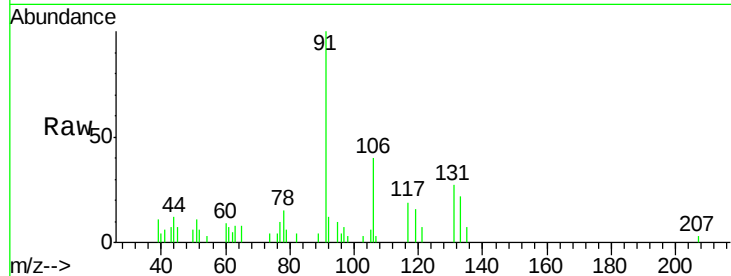
119 0.0 32.2 96.6#

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



#67

Ethyl Benzene

Concen: 0.904 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064211.D

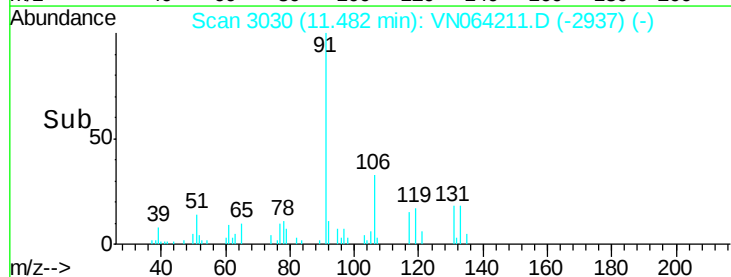
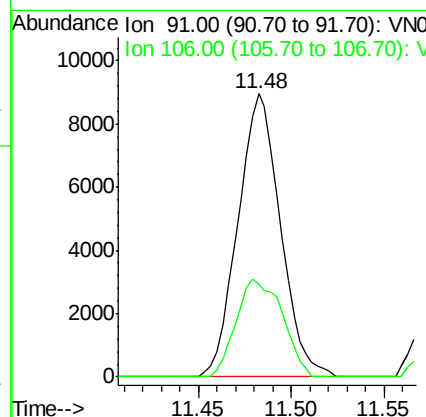
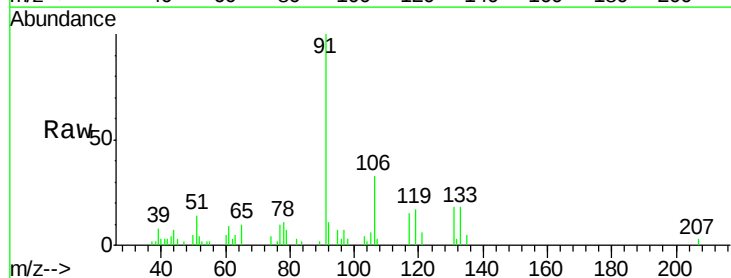
Acq: 21 Oct 2020 10:22

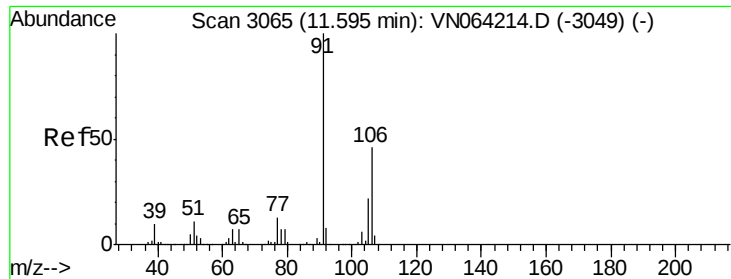
Tgt Ion: 91 Resp: 14210

Ion Ratio Lower Upper

91 100

106 32.8 24.8 37.2





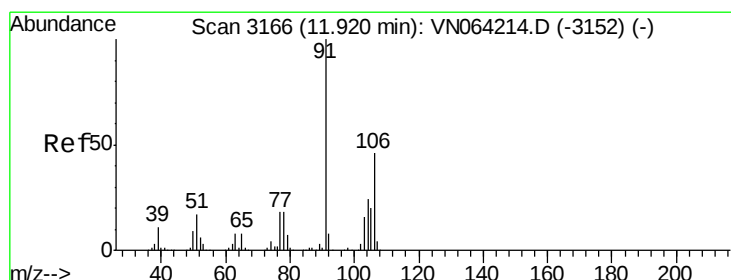
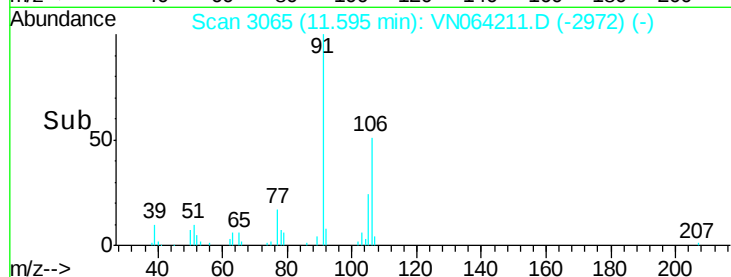
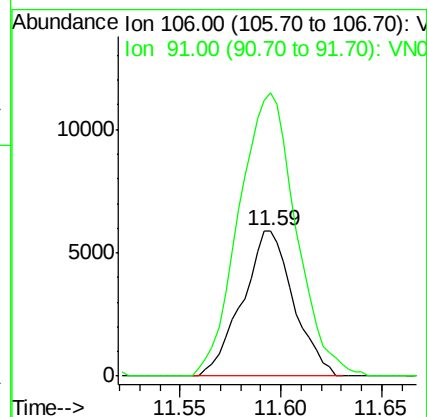
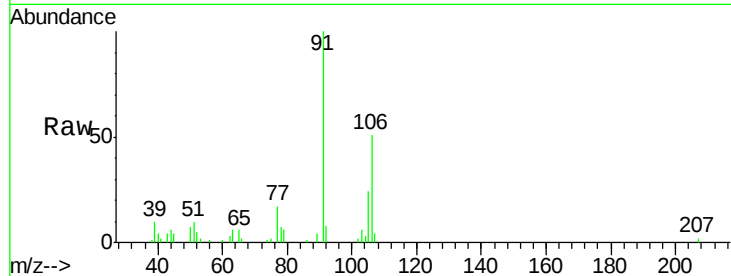
#68
m/p-Xylenes
Concen: 1.791 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		10411		
91	218.7	172.2	258.2		

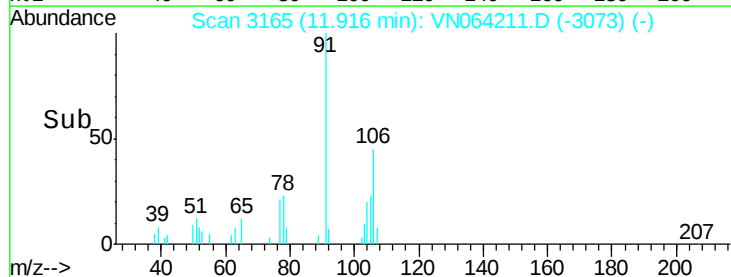
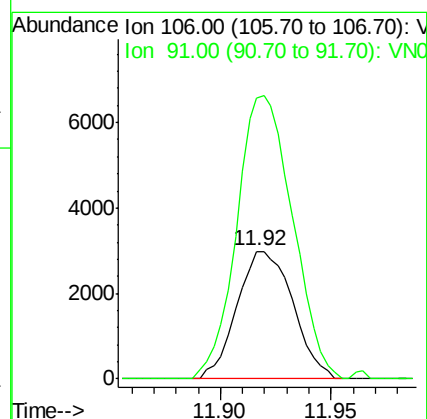
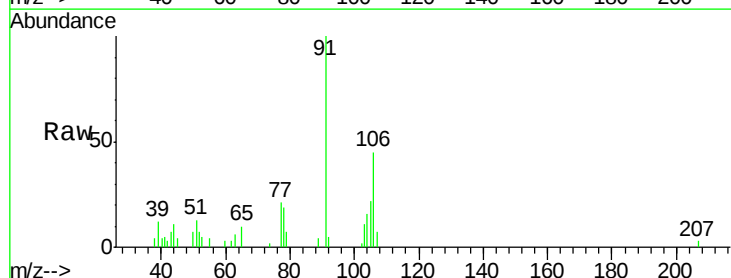
Manual Integrations
APPROVED

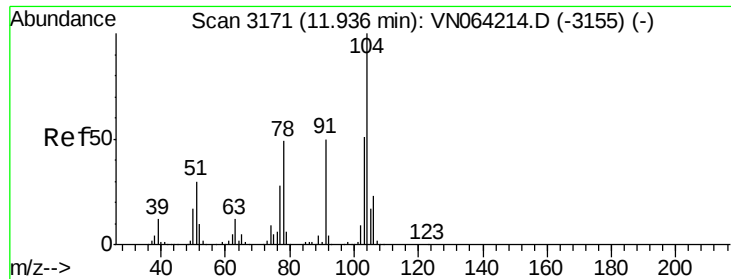
MMDadoda
10/22/2020 3:25:33 PM



#69
o-Xylene
Concen: 0.935 ug/l
RT: 11.92 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		5236		
91	221.8	109.9	329.6		





#70

Stvrene

Concen: 0.832 ug/l

RT: 11.94 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

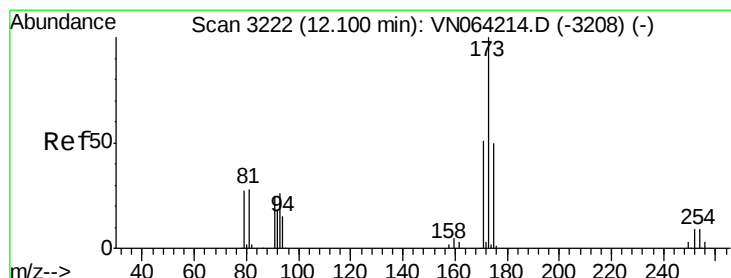
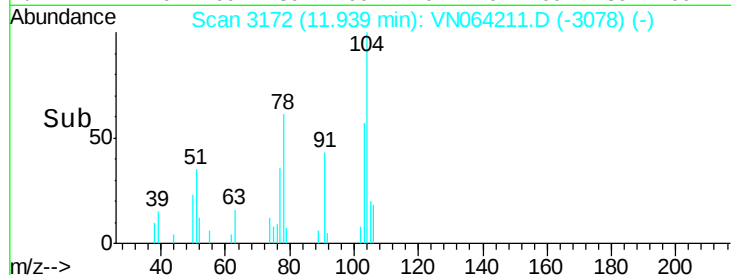
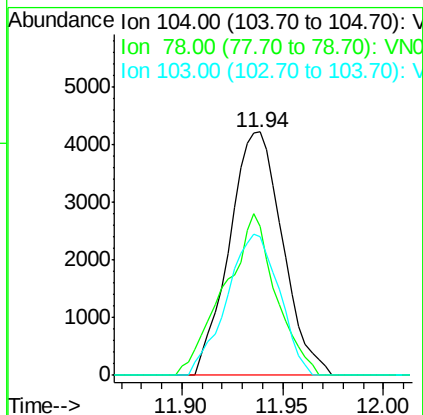
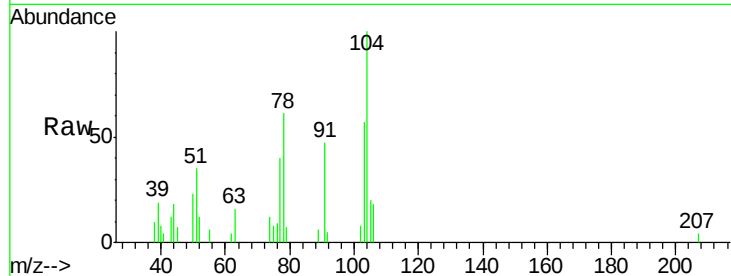
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	7756
Ion Ratio	Lower	Upper	
104	100		
78	64.3	43.8	65.6
103	57.5	43.4	65.2

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM



#71

Bromoform

Concen: 0.841 ug/l

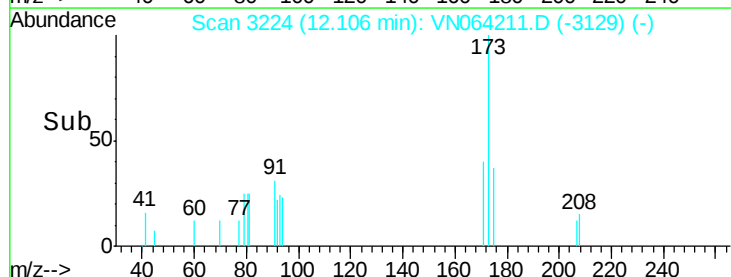
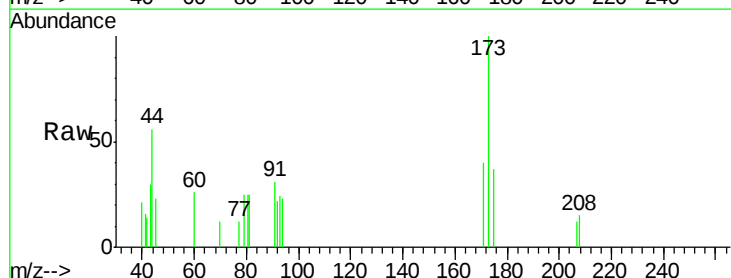
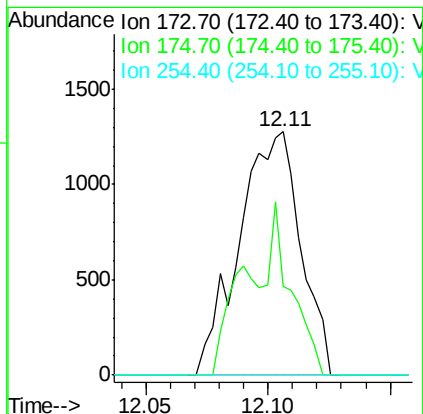
RT: 12.11 min Scan# 3224

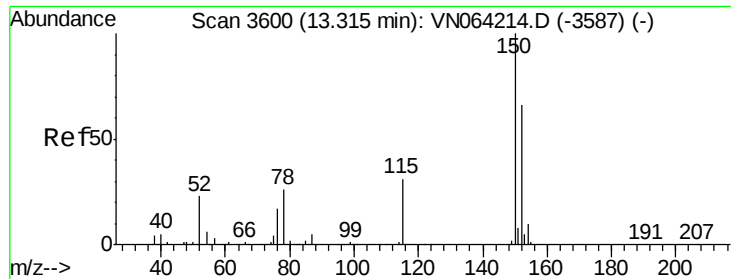
Delta R.T. 0.01 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Tgt Ion:	173	Resp:	2233
Ion Ratio	Lower	Upper	
173	100		
175	26.9	25.1	75.3
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 195718

Ion Ratio Lower Upper

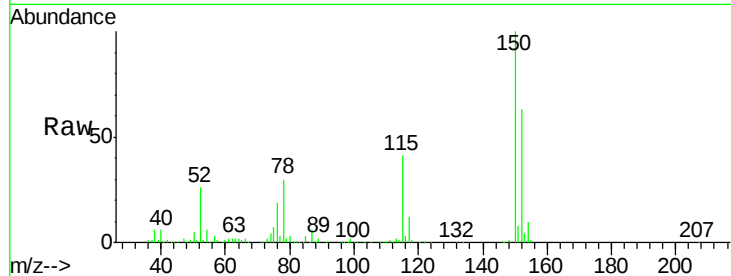
152 100

115 63.7 32.0 96.2

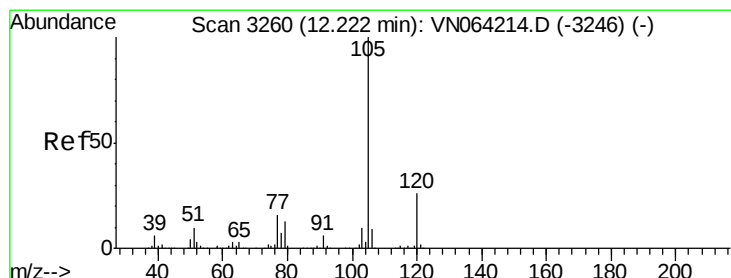
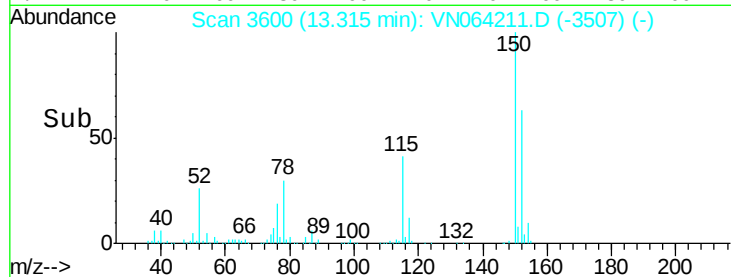
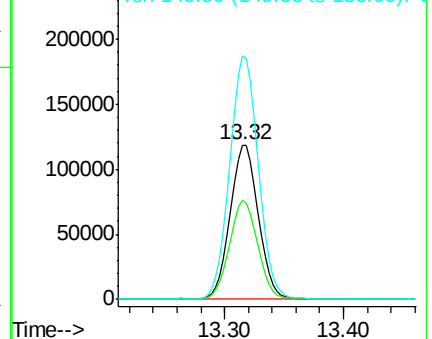
150 159.6 0.0 356.6

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM



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: 1.002 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064211.D

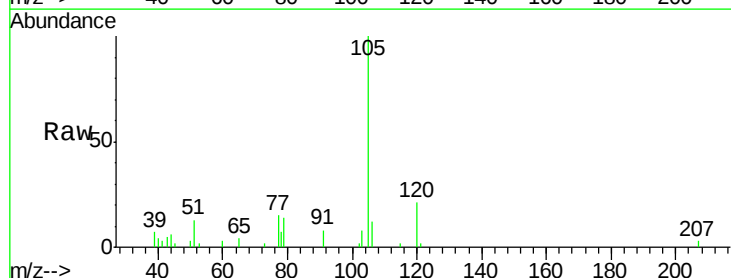
Acq: 21 Oct 2020 10:22

Tgt Ion:105 Resp: 14423

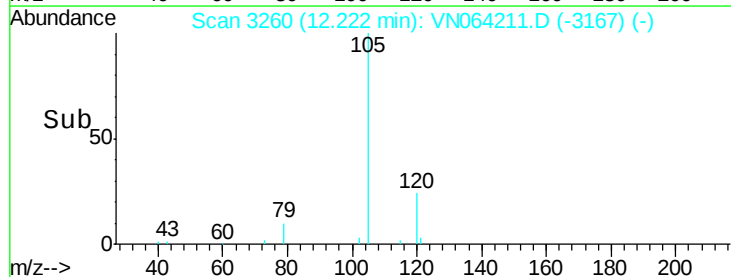
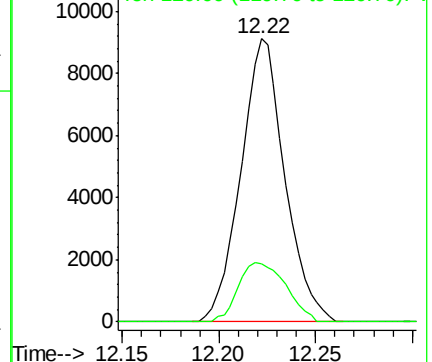
Ion Ratio Lower Upper

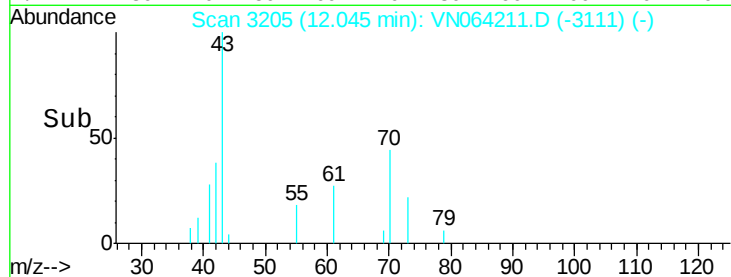
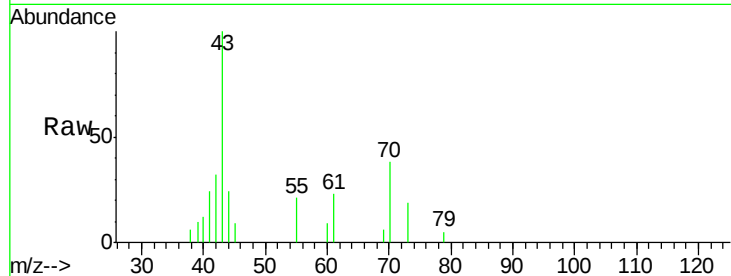
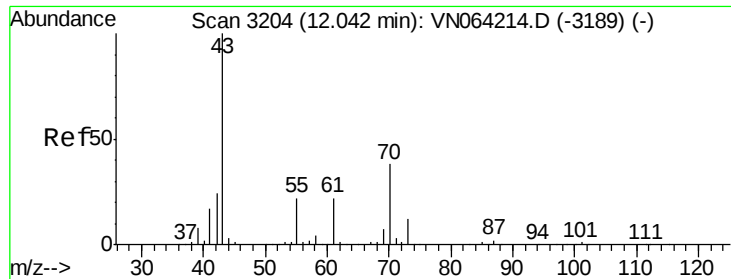
105 100

120 22.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





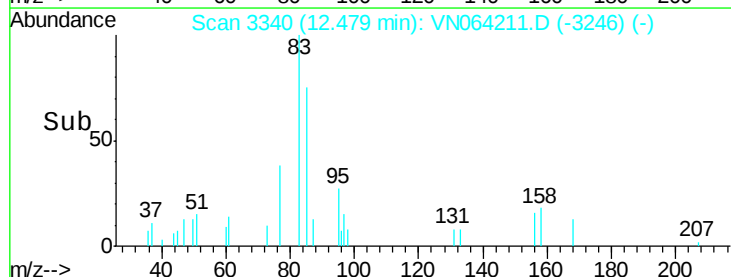
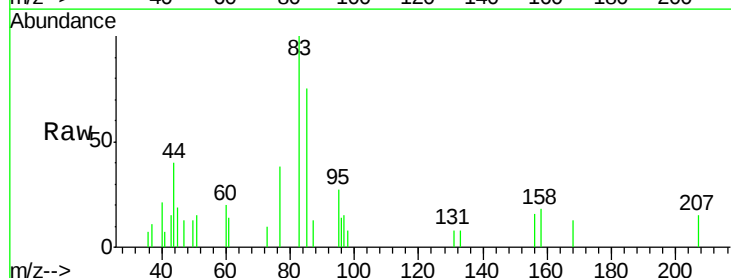
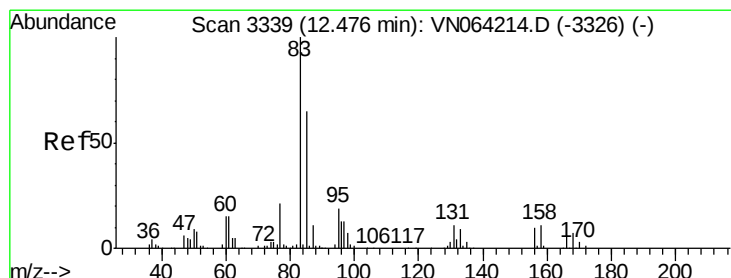
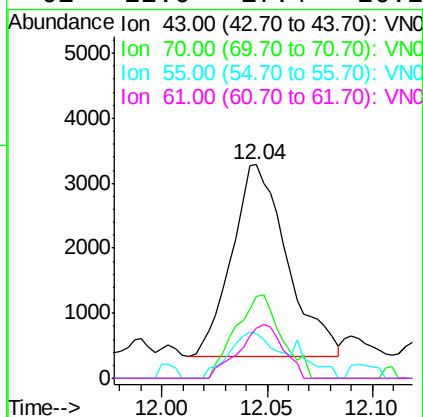
#74
N-amvl acetate
Concen: 0.973 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tot Ion	43	70	55	61
Ratio	100	35.6	20.7	22.0
Lower		30.2	18.0	17.4
Upper		45.4	27.0	26.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

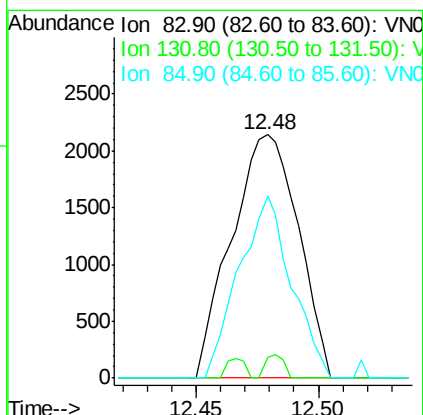
Manual Integrations
APPROVED

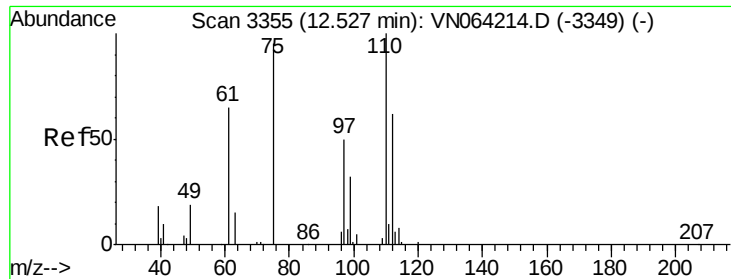
MMDadoda
10/22/2020 3:25:33 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 0.845 ug/l
RT: 12.48 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	83	131	85
Ratio	100	2.6	58.6
Lower		5.5	32.4
Upper		16.7#	97.0





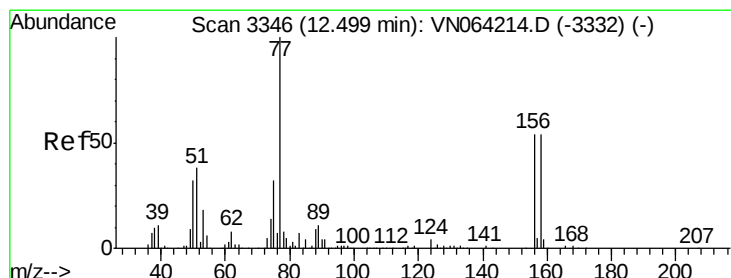
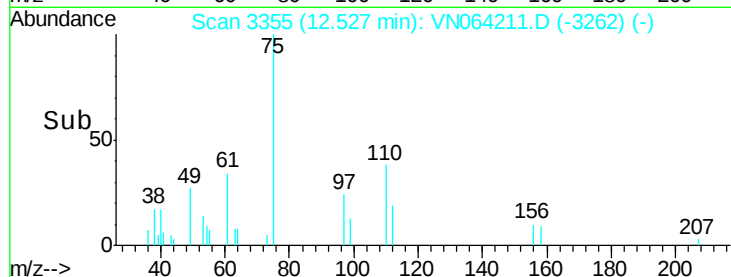
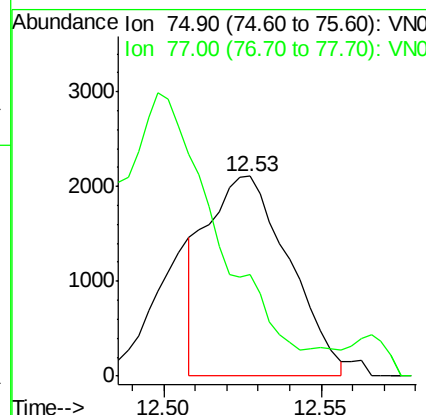
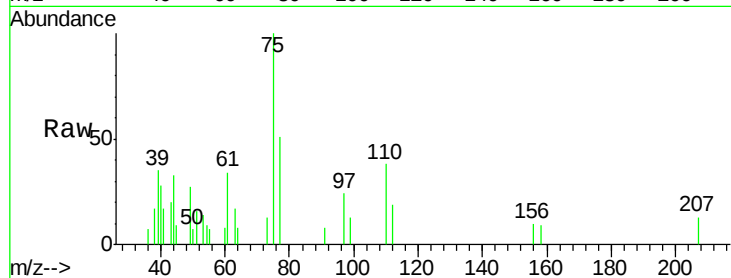
#76
1,2,3-Trichloropropane
Concen: 0.825 ug/l m
RT: 12.53 min Scan# 3355
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 3841
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

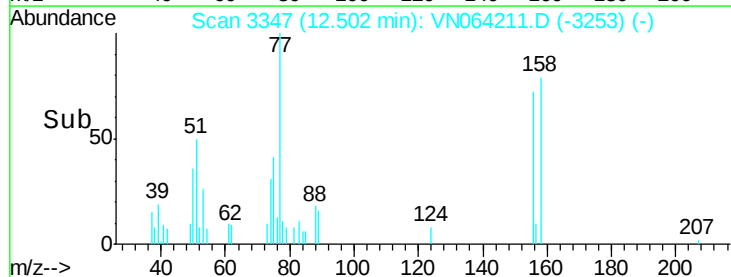
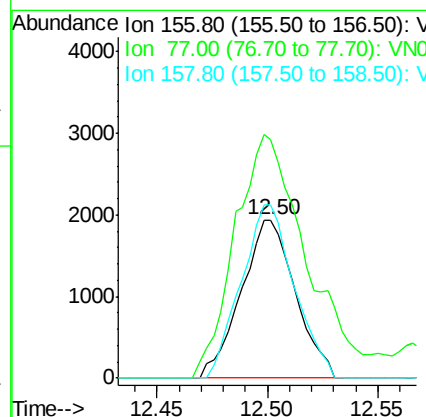
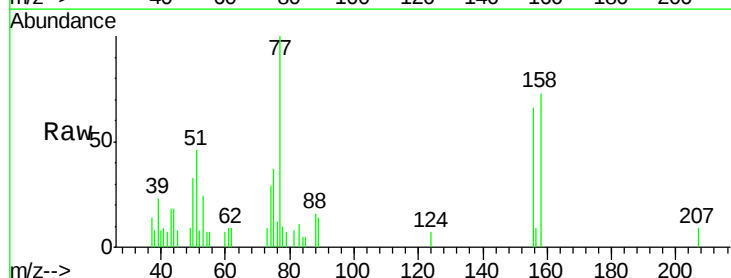
Manual Integrations
APPROVED

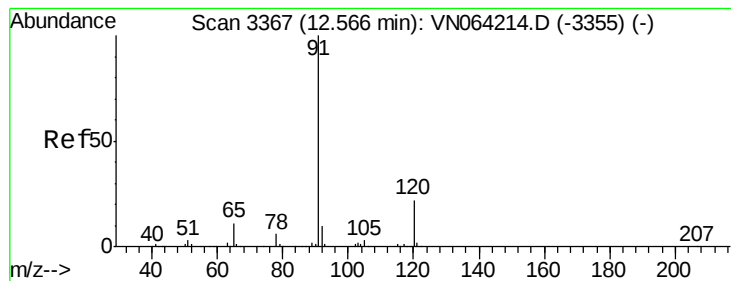
MMDadoda
10/22/2020 3:25:33 PM



#77
Bromobenzene
Concen: 0.858 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion: 156 Resp: 3285
Ion Ratio Lower Upper
156 100
77 203.5 111.1 333.4
158 107.4 50.0 150.1





#78

n-propylbenzene

Concen: 0.963 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 15468

Ion Ratio Lower Upper

91 100

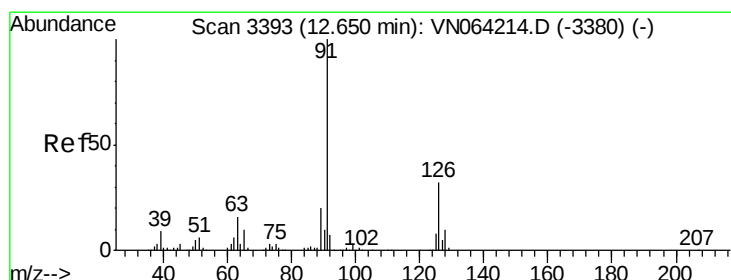
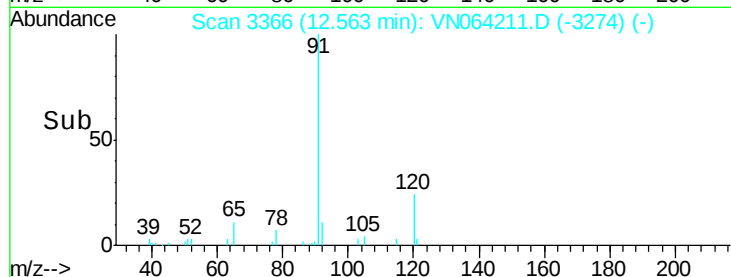
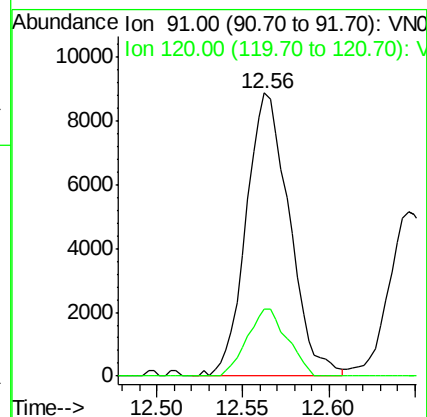
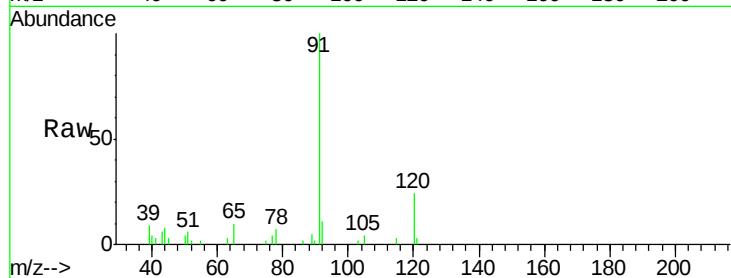
120 21.9 11.1 33.1

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:33 PM



#79

2-Chlorotoluene

Concen: 0.924 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064211.D

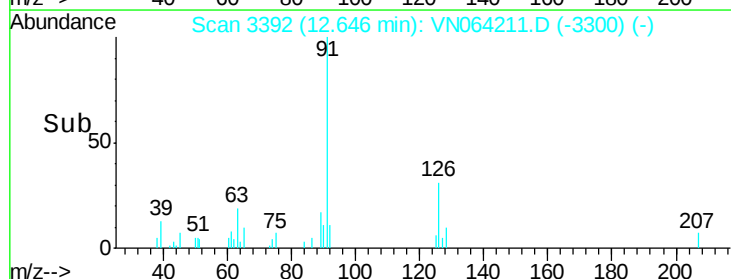
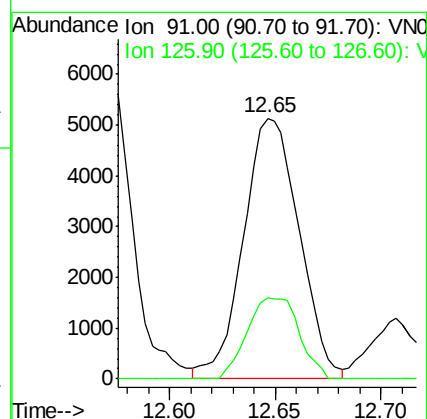
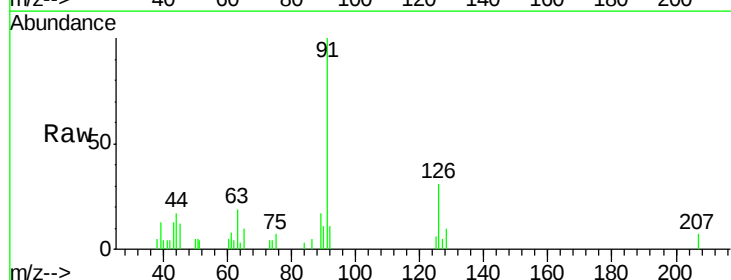
Acq: 21 Oct 2020 10:22

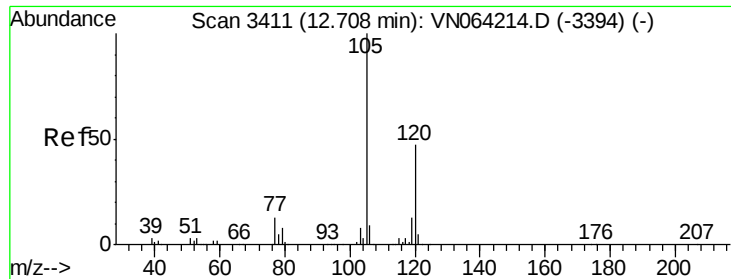
Tgt Ion: 91 Resp: 9439

Ion Ratio Lower Upper

91 100

126 28.9 16.0 48.0





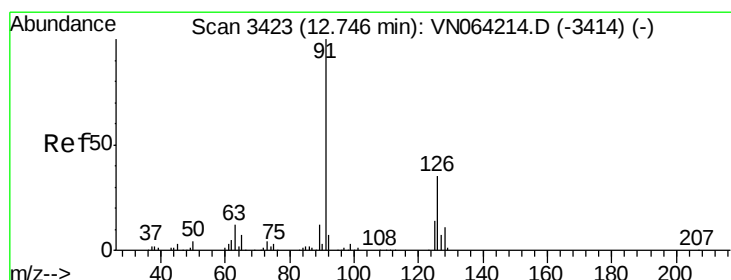
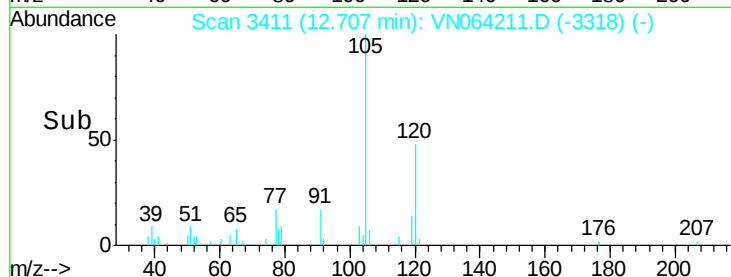
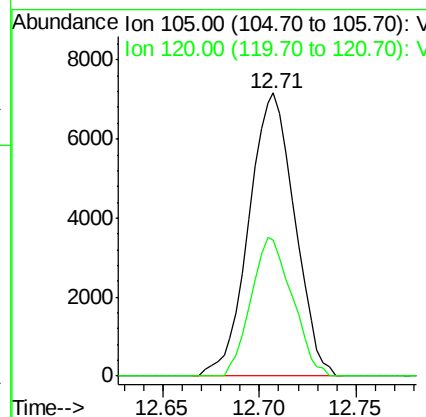
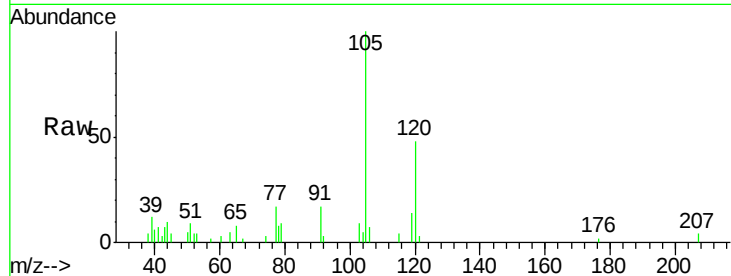
#80
 1,3,5-Trimethylbenzene
 Concen: 1.018 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 11794
 Ion Ratio Lower Upper
 105 100
 120 44.0 23.4 70.0

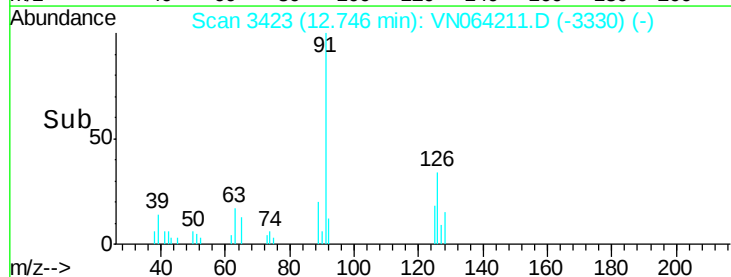
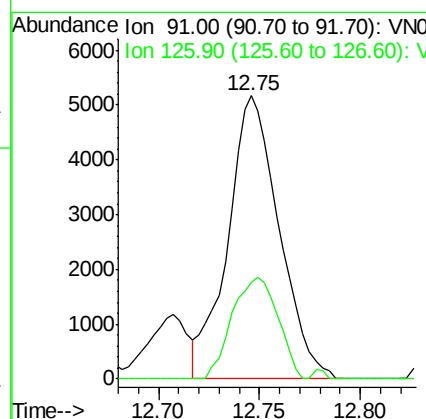
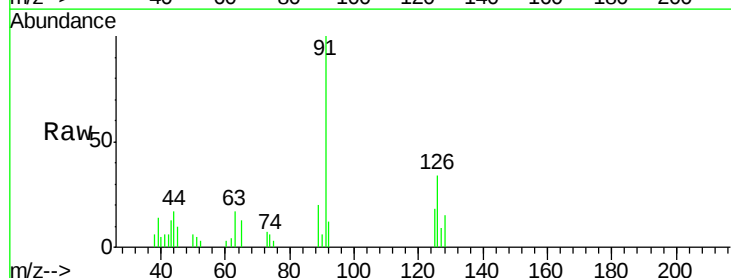
Manual Integrations
 APPROVED

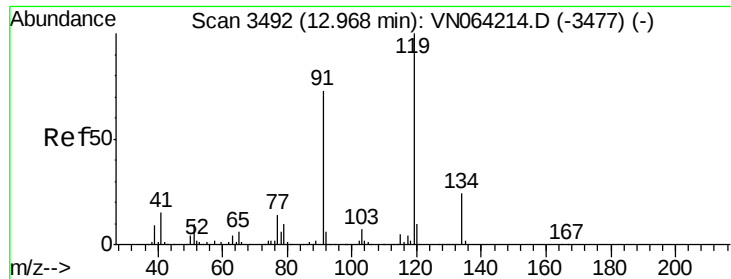
MMDadoda
 10/22/2020 3:25:33 PM



#82
 4-Chlorotoluene
 Concen: 0.887 ug/l
 RT: 12.75 min Scan# 3423
 Delta R.T. -0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Tgt Ion: 91 Resp: 9156
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.8 47.3





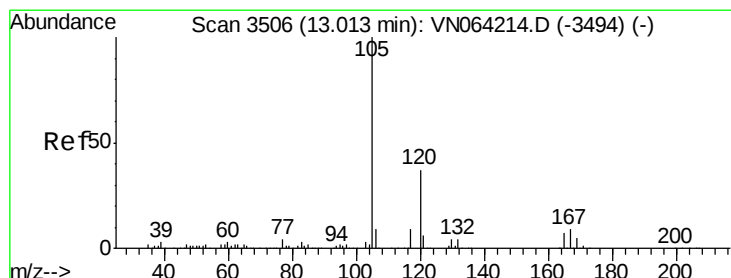
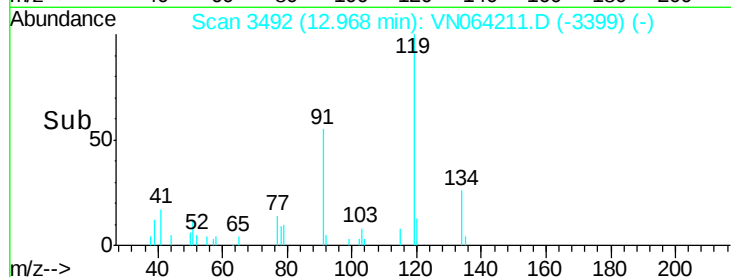
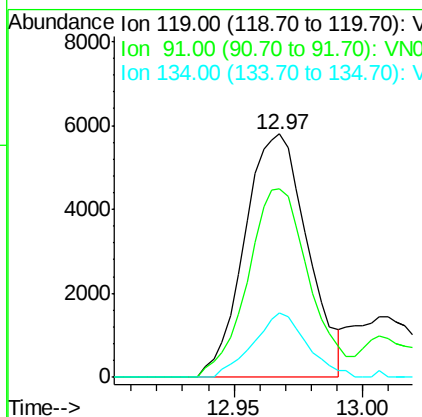
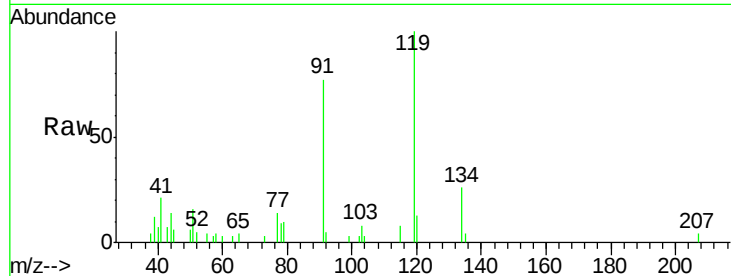
#83
tert-Butylbenzene
Concen: 1.030 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.2	35.1	105.3
134	22.7	11.6	34.8

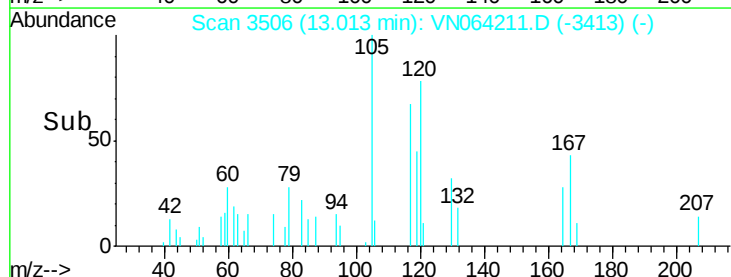
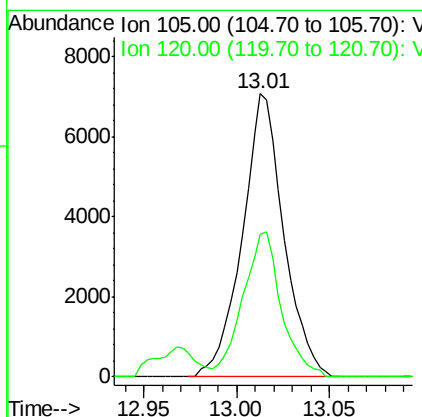
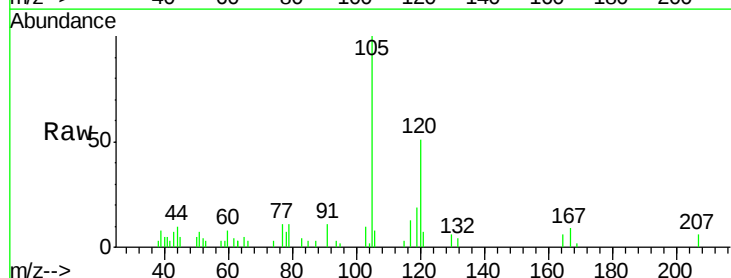
Manual Integrations
APPROVED

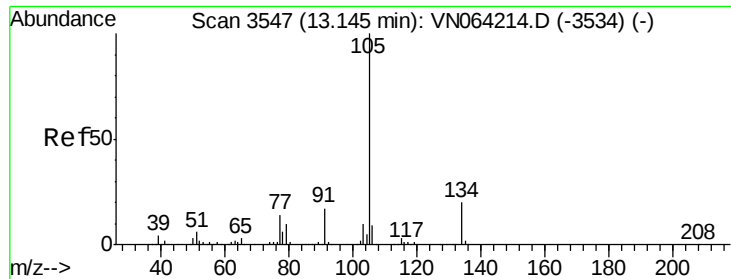
MMDadoda
10/22/2020 3:25:33 PM



#84
1,2,4-Trimethylbenzene
Concen: 0.966 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	21.5	64.5





#85

sec-Butylbenzene

Concen: 0.966 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 11868

Ion Ratio Lower Upper

105 100

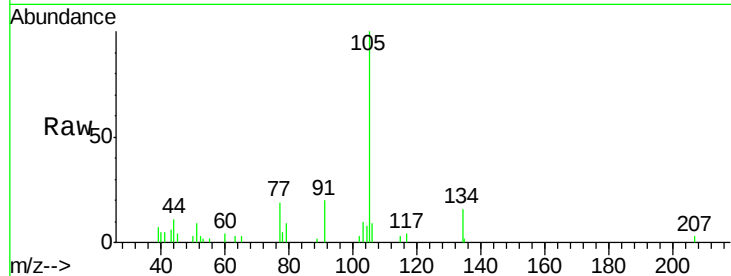
134 18.9 9.7 29.1

Manual Integrations

APPROVED

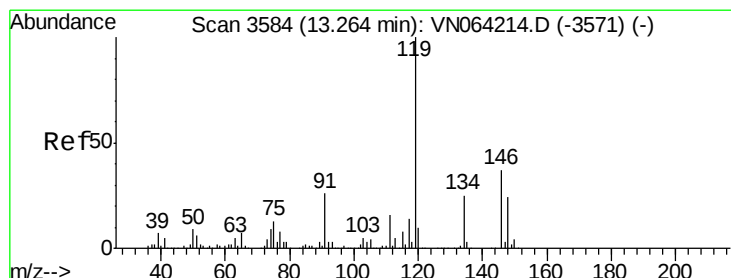
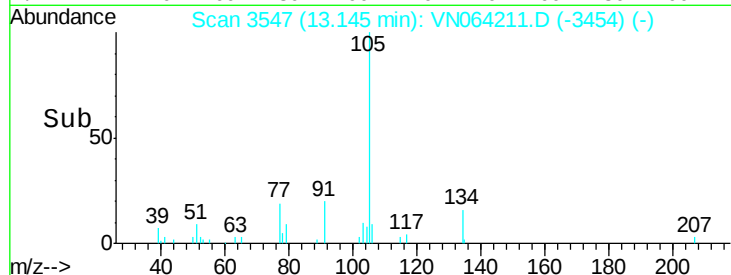
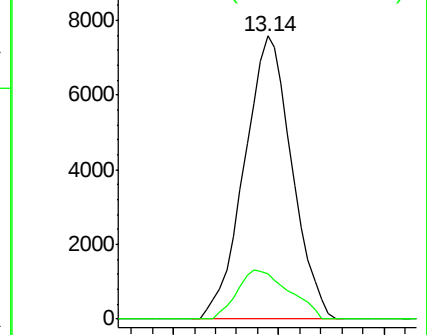
MMDadoda

10/22/2020 3:25:33 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.922 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

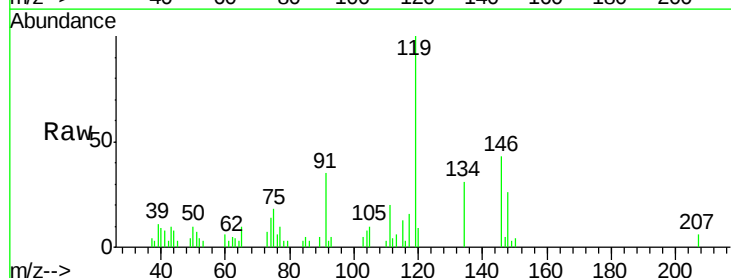
Tgt Ion:119 Resp: 9921

Ion Ratio Lower Upper

119 100

134 29.4 13.1 39.3

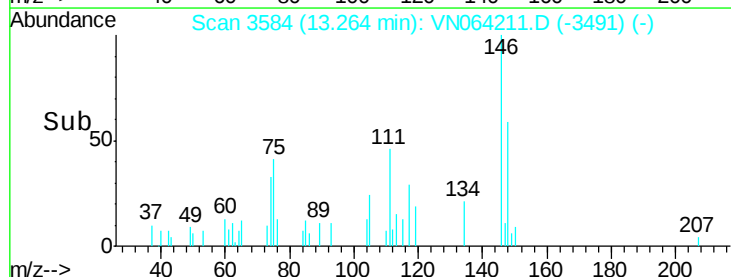
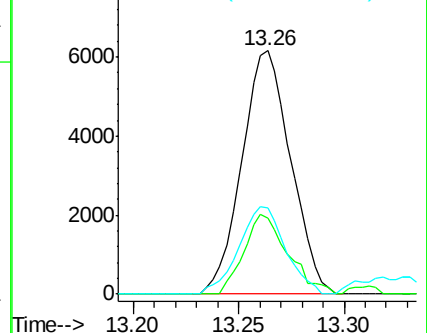
91 34.1 13.4 40.2

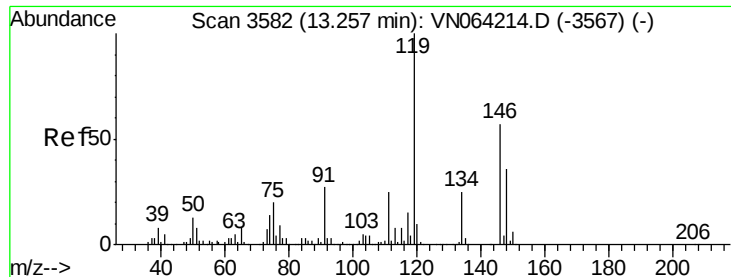


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.880 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064211.D

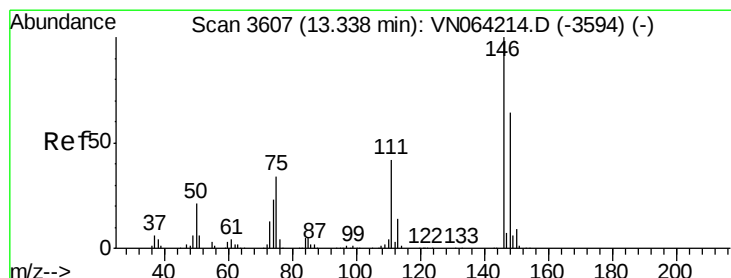
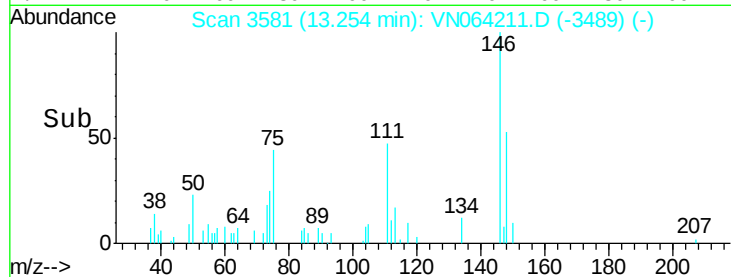
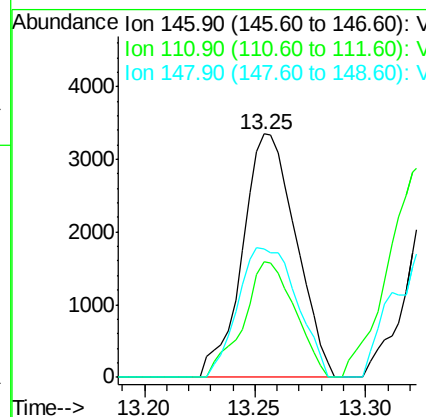
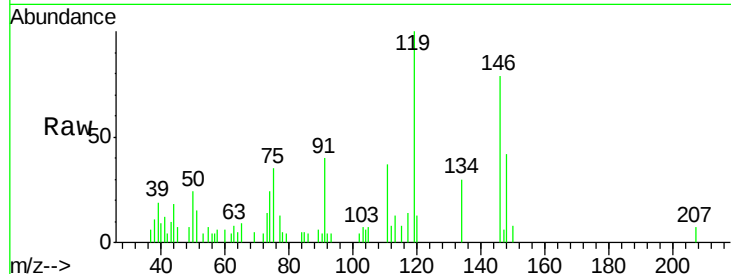
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.6	65.0
148	58.5	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM



#88

1,4-Dichlorobenzene

Concen: 0.957 ug/l m

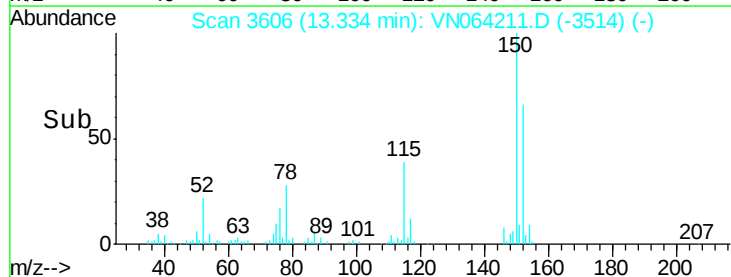
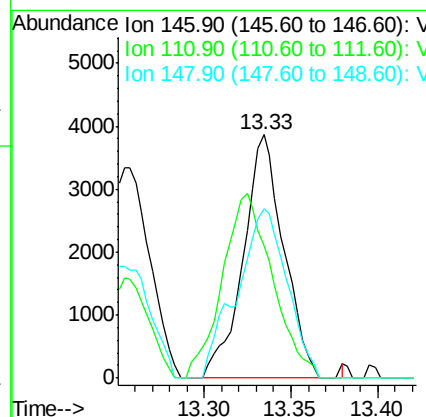
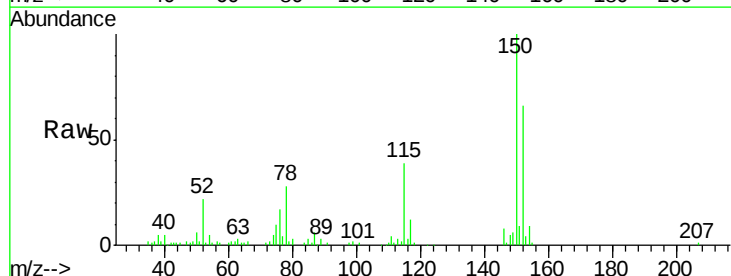
RT: 13.33 min Scan# 3606

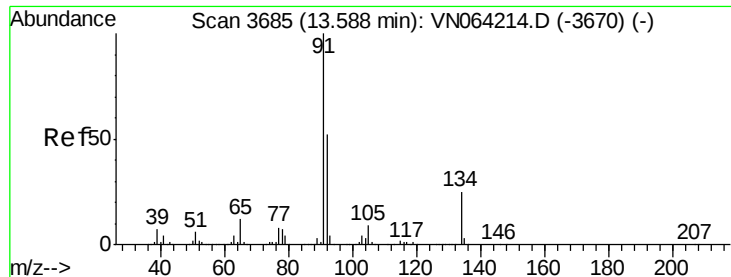
Delta R.T. -0.00 min

Lab File: VN064211.D

Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.5	64.5
148	52.5	32.0	96.0





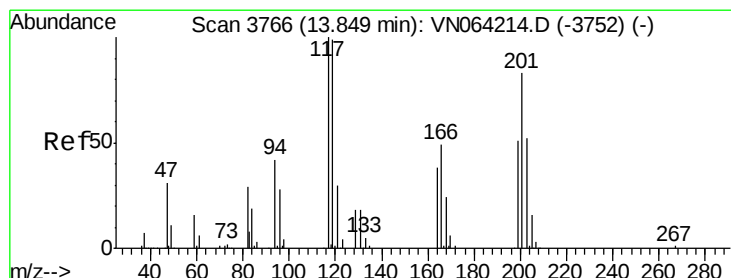
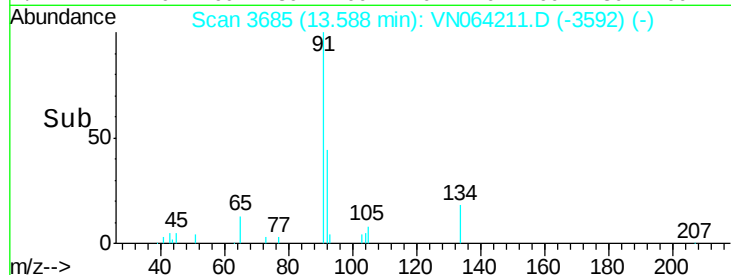
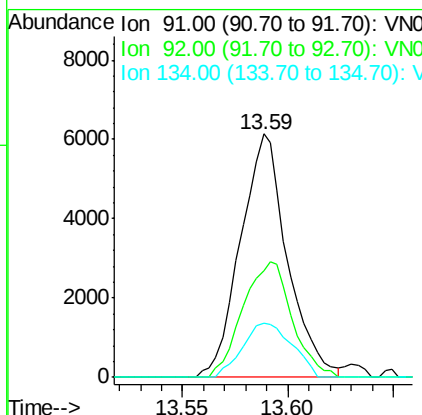
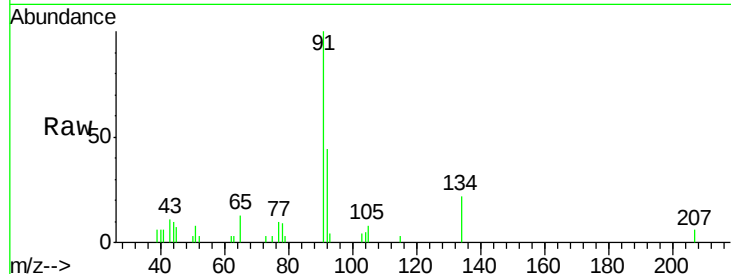
#89
n-Butylbenzene
Concen: 1.036 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	49.6	25.7	77.0	
134	23.4	12.3	36.8	

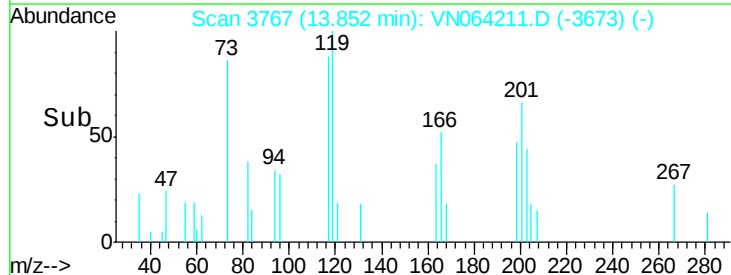
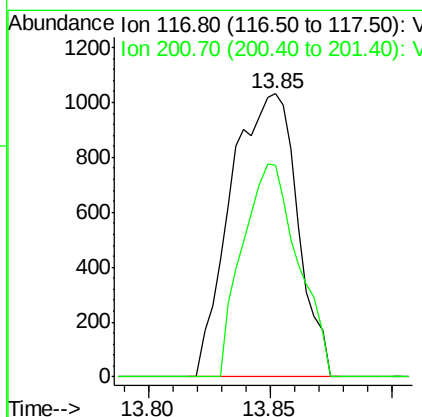
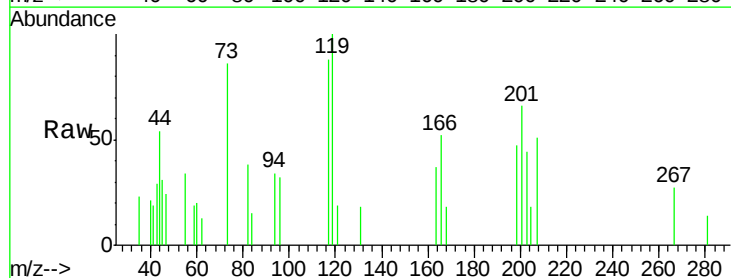
Manual Integrations
APPROVED

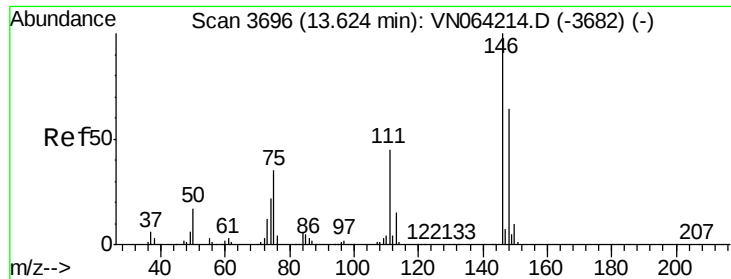
MMDadoda
10/22/2020 3:25:33 PM



#90
Hexachloroethane
Concen: 0.952 ug/l
RT: 13.85 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	62.3	40.1	120.3	





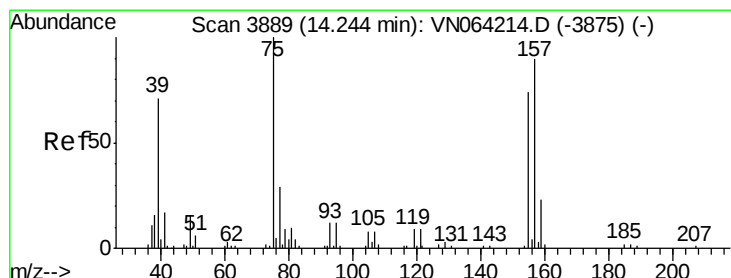
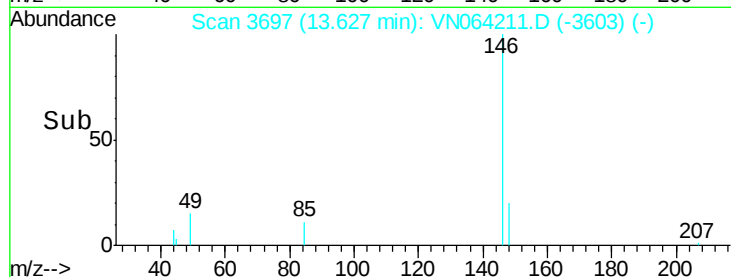
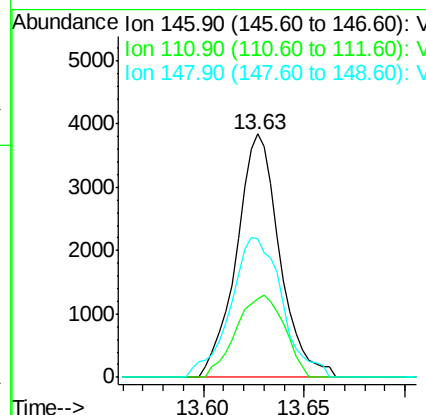
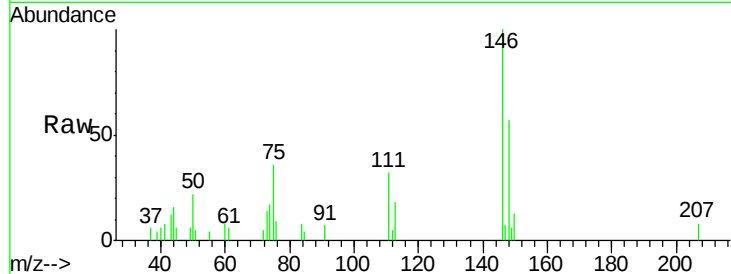
#91
 1,2-Dichlorobenzene
 Concen: 0.903 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	22.9	68.7
148	68.6	31.9	95.5

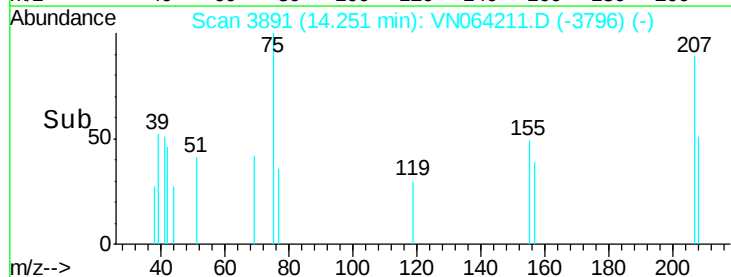
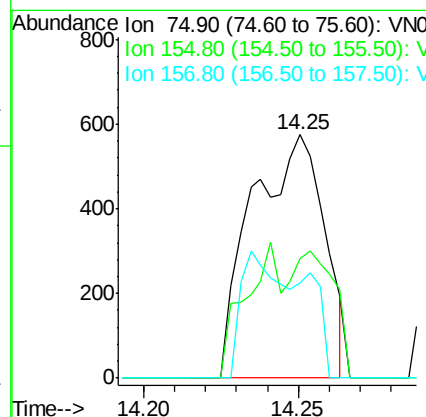
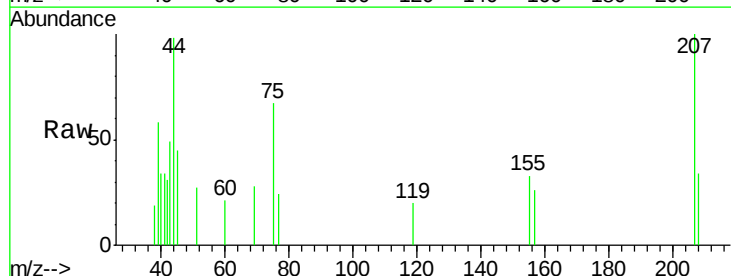
Manual Integrations
 APPROVED

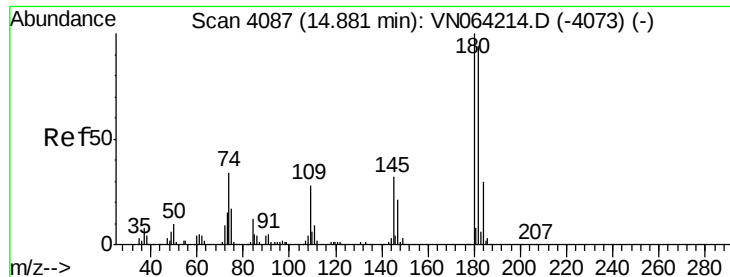
MMDadoda
 10/22/2020 3:25:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.971 ug/l m
 RT: 14.25 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	26.9	36.9	110.7#
157	30.2	44.6	133.8#





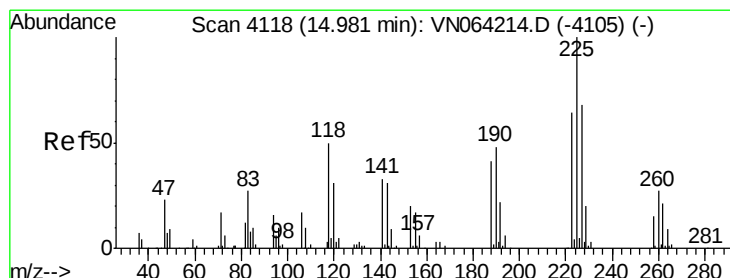
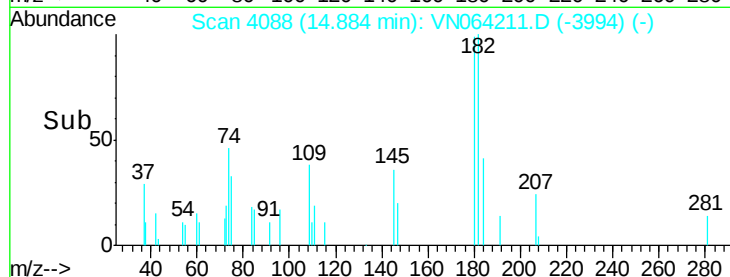
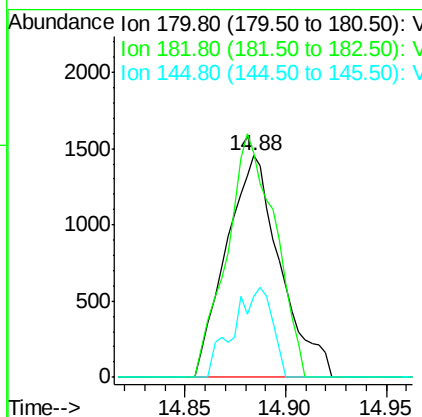
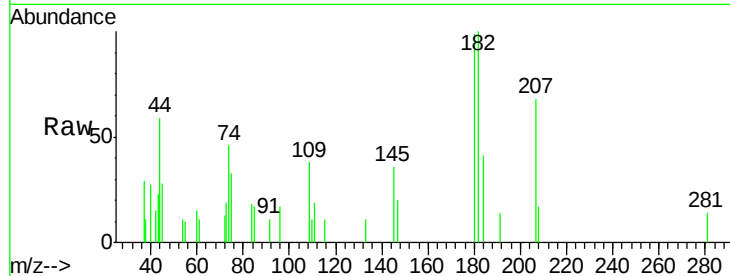
#93
 1,2,4-Trichlorobenzene
 Concen: 1.002 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	46.9	140.7
145	29.4	16.1	48.3

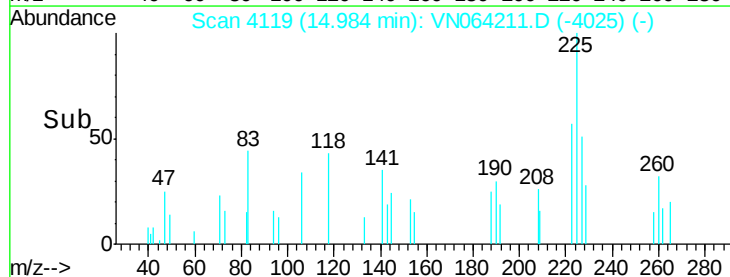
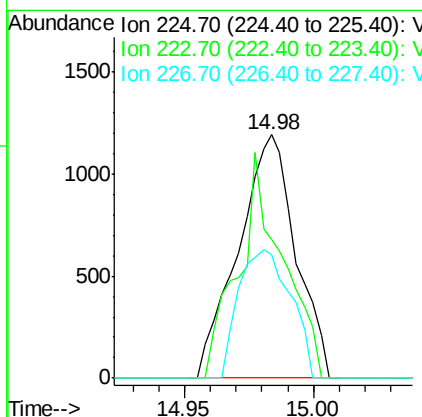
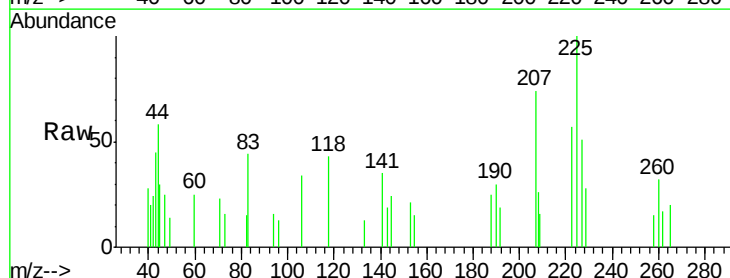
Manual Integrations
 APPROVED

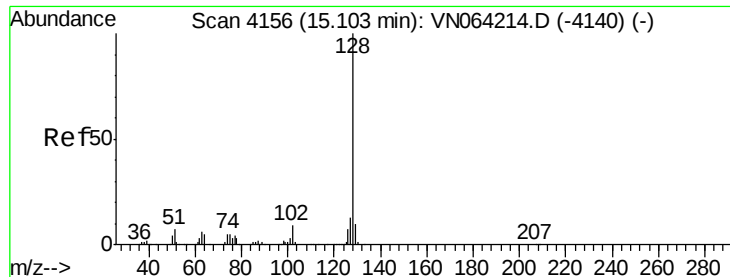
MMDadoda
 10/22/2020 3:25:33 PM



#94
 Hexachlorobutadiene
 Concen: 1.166 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064211.D
 Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.4	31.5	94.5
227	47.8	32.1	96.5





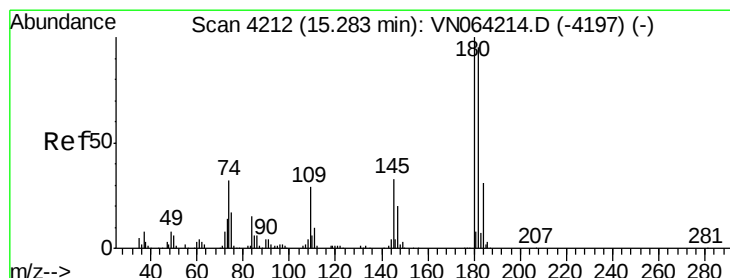
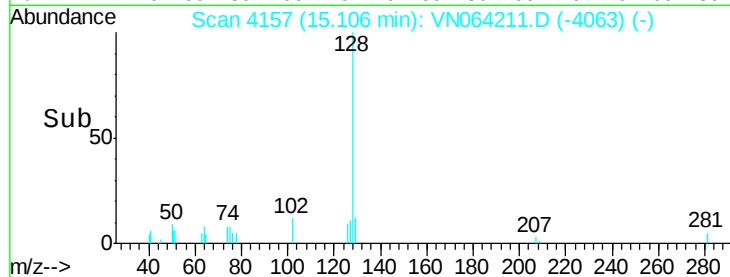
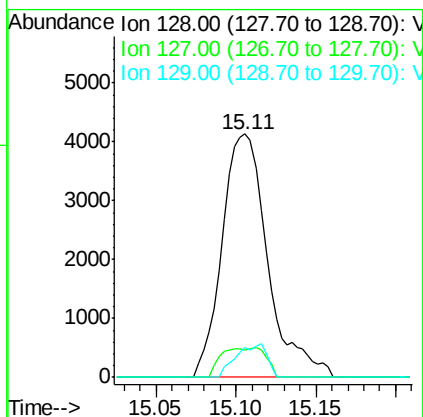
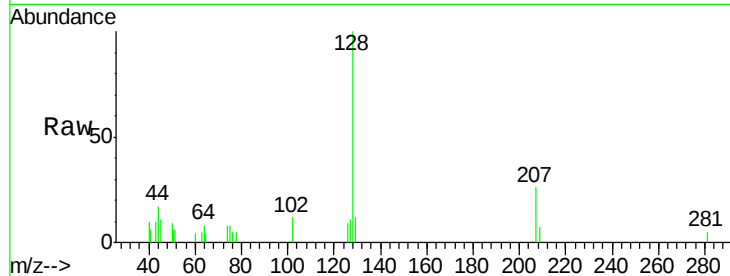
#95
Naphthalene
Concen: 0.997 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.5	15.7
129	9.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 1.108 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN064211.D
Acq: 21 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.0	144.2
145	42.0	17.1	51.3

