

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064213.D
 Acq On : 21 Oct 2020 11:21
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:23 PM

Quant Time: Oct 21 12:18:19 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	7.63	168	268860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	444470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	398615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.31	152	189861	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	71091	18.23	ug/l	0.00
Spiked Amount			Recovery	=	36.46%	
35) Dibromofluoromethane	7.55	113	50654	16.49	ug/l	0.00
Spiked Amount			Recovery	=	32.98%	
50) Toluene-d8	10.06	98	176785	15.30	ug/l	0.00
Spiked Amount			Recovery	=	30.60%	
62) 4-Bromofluorobenzene	12.38	95	70524	17.25	ug/l	0.00
Spiked Amount			Recovery	=	34.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	62335	23.463	ug/l	93
3) Chloromethane	2.04	50	60597	18.879	ug/l	100
4) Vinyl Chloride	2.16	62	60356	15.669	ug/l	96
5) Bromomethane	2.54	94	38464	13.782	ug/l	99
6) Chloroethane	2.67	64	35709	12.070	ug/l	99
7) Trichlorofluoromethane	2.99	101	99737	18.336	ug/l	99
8) Diethyl Ether	3.38	74	32230	18.883	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51247	19.148	ug/l	98
10) Methyl Iodide	3.91	142	68100	18.068	ug/l	99
11) Tert butyl alcohol	4.72	59	48886	108.664	ug/l #	92
12) 1,1-Dichloroethene	3.70	96	48449	18.044	ug/l	98
13) Acrolein	3.57	56	38461	112.713	ug/l	98
14) Allyl chloride	4.28	41	93571	21.350	ug/l	99
15) Acrylonitrile	4.93	53	104469	86.498	ug/l	98
16) Acetone	3.78	43	105819	91.780	ug/l	100
17) Carbon Disulfide	4.01	76	137984	18.015	ug/l	97
18) Methyl Acetate	4.28	43	53673	18.584	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	165468	20.559	ug/l	93
20) Methylene Chloride	4.51	84	57171	16.414	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	52718	17.484	ug/l	95
22) Diisopropyl ether	5.90	45	171129	20.615	ug/l	94
23) Vinyl Acetate	5.84	43	794123	106.866	ug/l	99
24) 1,1-Dichloroethane	5.80	63	105243	18.507	ug/l	98
25) 2-Butanone	6.78	43	168733	95.379	ug/l	99
26) 2,2-Dichloropropane	6.78	77	103594	21.174	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	60604	17.136	ug/l	99
28) Bromochloromethane	7.15	49	49017	18.085	ug/l	98
29) Tetrahydrofuran	7.17	42	101022	97.295	ug/l	98
30) Chloroform	7.33	83	108360	17.984	ug/l	97
31) Cyclohexane	7.61	56	86356	19.923	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	103517	19.566	ug/l	99
36) 1,1-Dichloropropene	7.76	75	79661	18.437	ug/l	98
37) Ethyl Acetate	6.88	43	77096	19.993	ug/l	99
38) Carbon Tetrachloride	7.73	117	95319	20.185	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064213.D
 Acq On : 21 Oct 2020 11:21
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:23 PM

Quant Time: Oct 21 12:18:19 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)
39) Methylcyclohexane	9.05	83	73453	19.941	ug/l	95
40) Benzene	8.00	78	221469	17.194	ug/l	97
41) Methacrylonitrile	7.12	41	33440	19.846	ug/l	93
42) 1,2-Dichloroethane	8.09	62	96681	20.507	ug/l	100
43) Isopropyl Acetate	8.13	43	139233	21.329	ug/l #	91
44) Trichloroethene	8.80	130	61011	17.924	ug/l	98
45) 1,2-Dichloropropane	9.09	63	59778	17.555	ug/l	99
46) Dibromomethane	9.18	93	40653	16.876	ug/l	98
47) Bromodichloromethane	9.37	83	89764	18.845	ug/l	98
48) Methyl methacrylate	9.17	41	69910	22.860	ug/l	99
49) 1,4-Dioxane	9.16	88	16770	373.756	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	369796	97.573	ug/l	99
52) Toluene	10.12	92	141021	17.784	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	99475	20.110	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	103992	19.281	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	53604	16.392	ug/l	97
56) Ethyl methacrylate	10.40	69	84789	19.965	ug/l	99
57) 1,3-Dichloropropane	10.68	76	96456	17.771	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	225869	106.129	ug/l	100
59) 2-Hexanone	10.72	43	266927	99.997	ug/l	100
60) Dibromochloromethane	10.87	129	66993	17.988	ug/l	97
61) 1,2-Dibromoethane	10.97	107	58502	17.575	ug/l	96
64) Tetrachloroethene	10.60	164	59494	19.576	ug/l	92
65) Chlorobenzene	11.41	112	152353	18.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	60867	18.931	ug/l	98
67) Ethyl Benzene	11.48	91	282904	19.865	ug/l	97
68) m/p-Xylenes	11.59	106	208756	39.656	ug/l	97
69) o-Xylene	11.92	106	101597	20.033	ug/l	99
70) Styrene	11.94	104	168060	19.894	ug/l	98
71) Bromoform	12.10	173	47756	19.852	ug/l #	97
73) Isopropylbenzene	12.22	105	267756	19.184	ug/l	100
74) N-amyl acetate	12.04	43	118611	22.004	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	71753	15.370	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	76954m	17.047	ug/l	
77) Bromobenzene	12.50	156	64057	17.241	ug/l	99
78) n-propylbenzene	12.57	91	301629	19.356	ug/l	100
79) 2-Chlorotoluene	12.65	91	186270	18.794	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	224265	19.954	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27633	18.464	ug/l	95
82) 4-Chlorotoluene	12.75	91	194359	19.400	ug/l	99
83) tert-Butylbenzene	12.97	119	186485	20.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	230719	20.923	ug/l	99
85) sec-Butylbenzene	13.14	105	231045	19.381	ug/l	100
86) p-Isopropyltoluene	13.26	119	216858	20.772	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	109328	17.569	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	108046	16.941	ug/l	97
89) n-Butylbenzene	13.59	91	188996	21.278	ug/l	100
90) Hexachloroethane	13.85	117	37114	18.584	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	107890	17.469	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17844	19.045	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064213.D
Acq On : 21 Oct 2020 11:21
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM

Quant Time: Oct 21 12:18:19 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)
93) 1,2,4-Trichlorobenzene	14.88	180	60807	23.086	ug/l	96
94) Hexachlorobutadiene	14.98	225	32098	20.805	ug/l	98
95) Naphthalene	15.10	128	190131	24.205	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	59585	22.802	ug/l	99

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

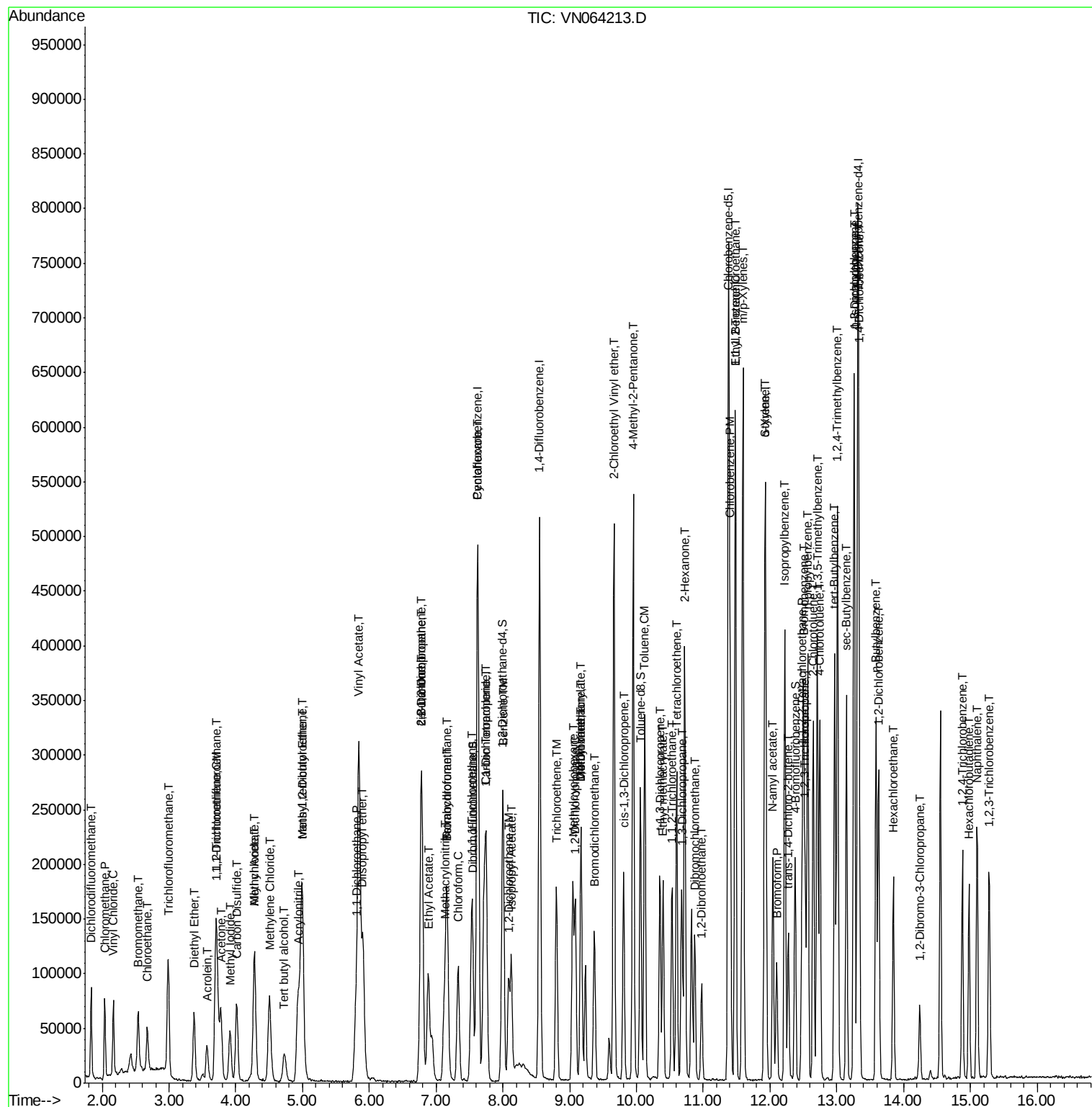
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064213.D
 Acq On : 21 Oct 2020 11:21
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

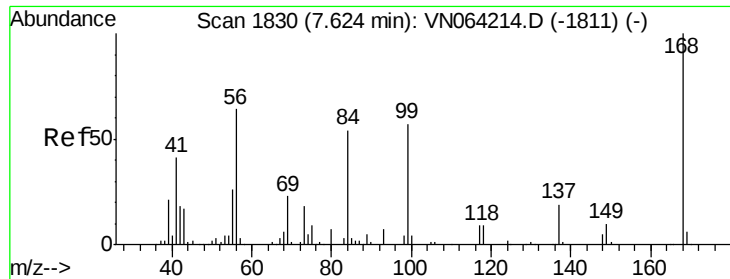
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:23 PM

Quant Time: Oct 21 12:18:19 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:00:10 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 268860

Ion Ratio Lower Upper

168 100

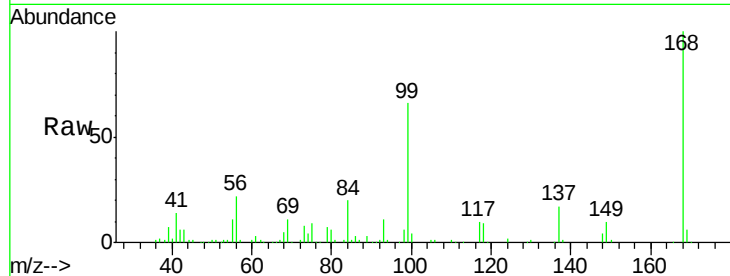
99 65.3 54.0 81.0

Manual Integrations

APPROVED

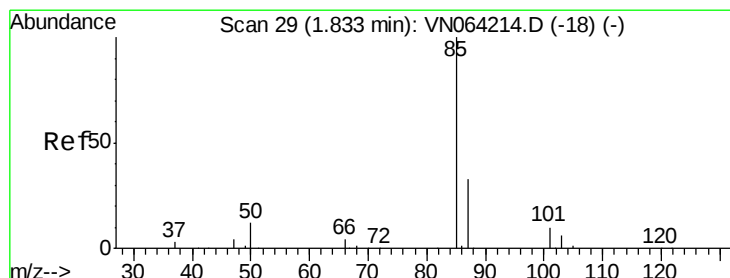
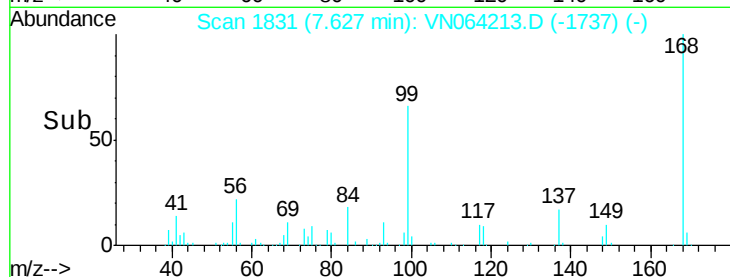
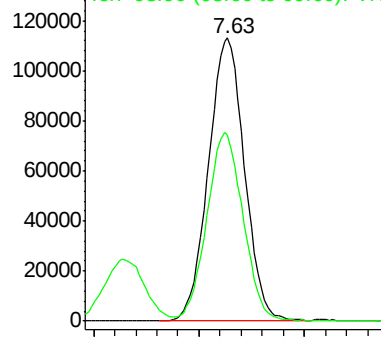
MMDadoda

10/22/2020 3:25:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 23.463 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064213.D

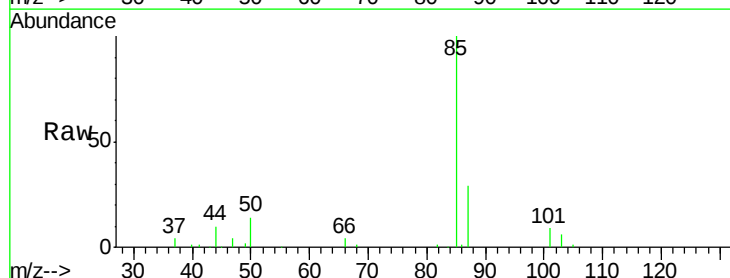
Acq: 21 Oct 2020 11:21

Tgt Ion: 85 Resp: 62335

Ion Ratio Lower Upper

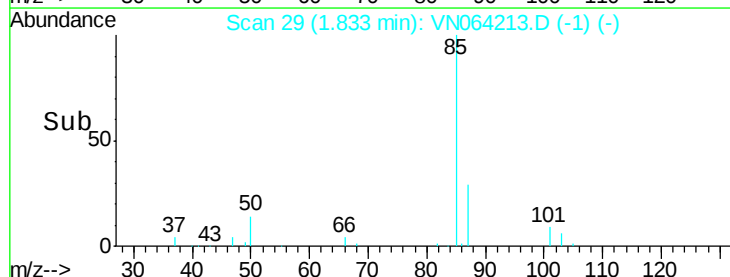
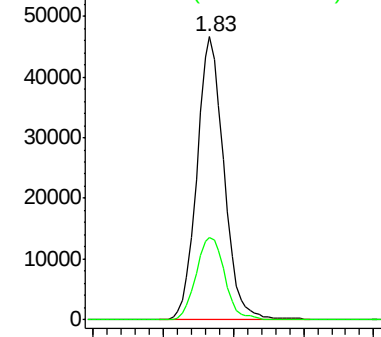
85 100

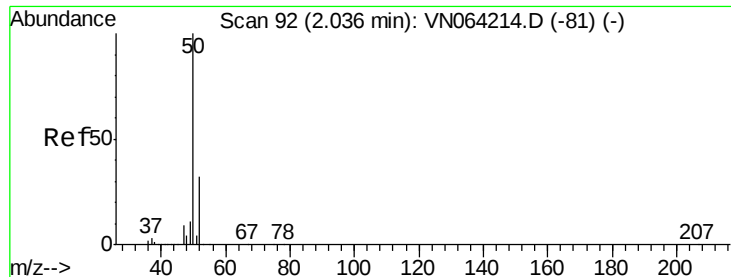
87 29.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.879 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 60597

Ion Ratio Lower Upper

50 100

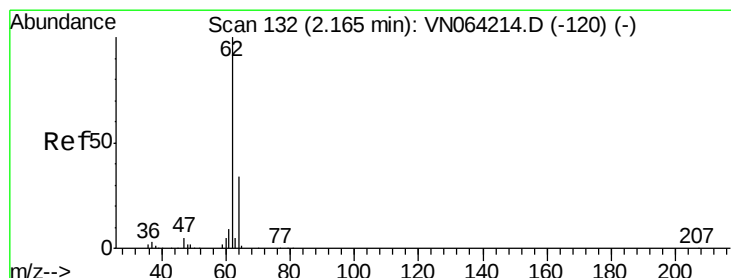
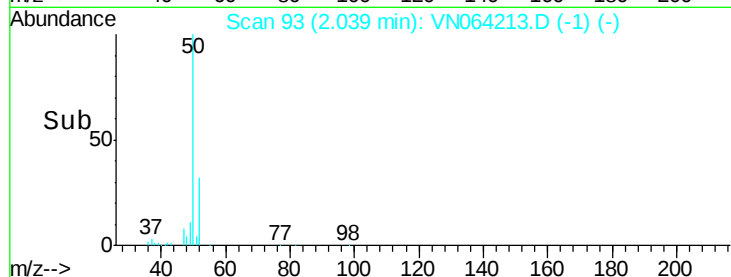
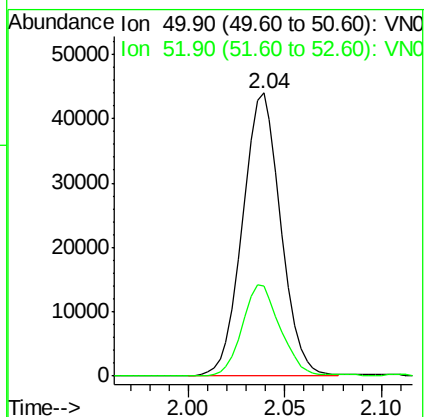
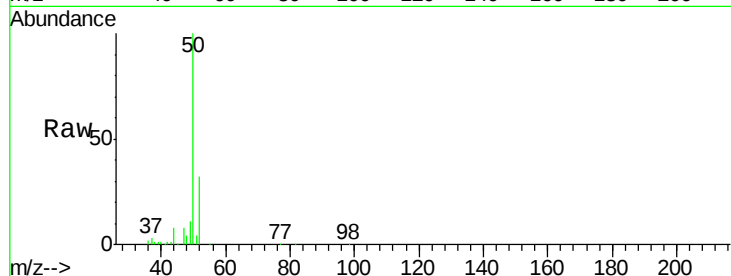
52 31.8 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:23 PM



#4

Vinyl Chloride

Concen: 15.669 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064213.D

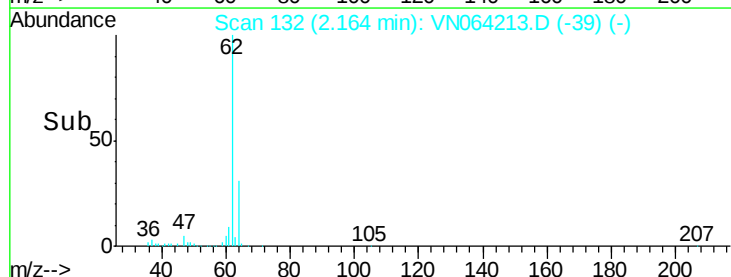
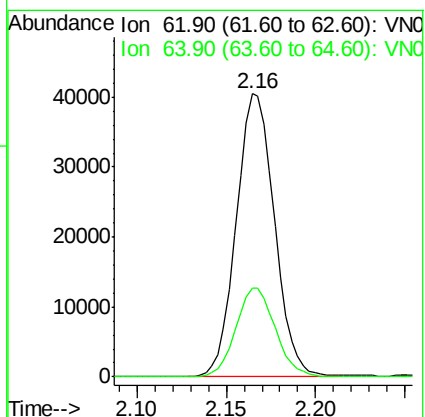
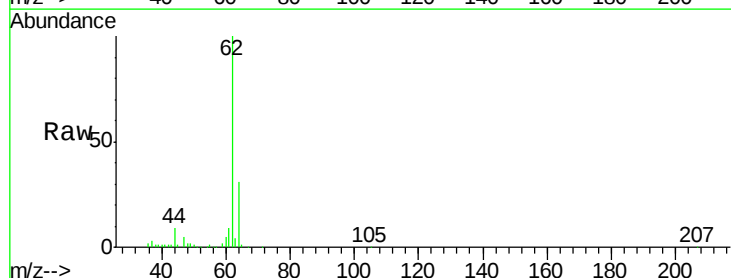
Acq: 21 Oct 2020 11:21

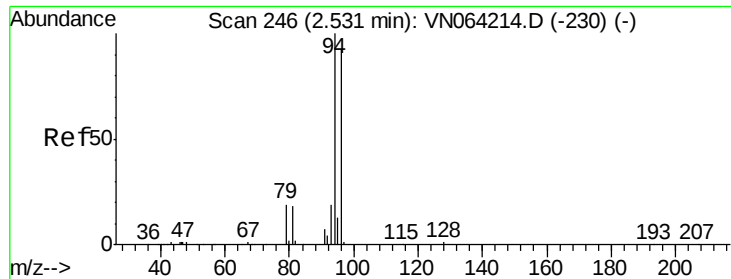
Tgt Ion: 62 Resp: 60356

Ion Ratio Lower Upper

62 100

64 31.4 26.8 40.2





#5

Bromomethane

Concen: 13.782 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 38464

Ion Ratio Lower Upper

94 100

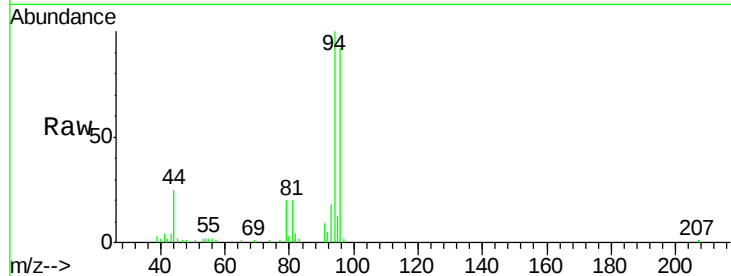
96 91.9 74.2 111.4

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:23 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

20000

15000

10000

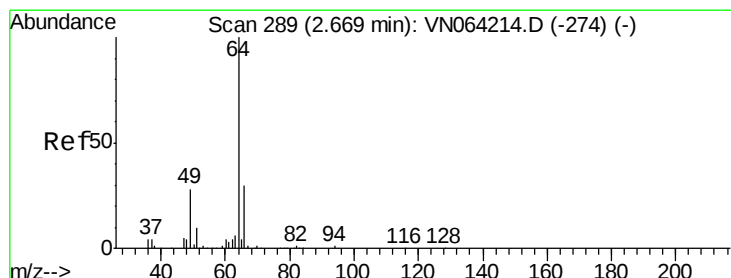
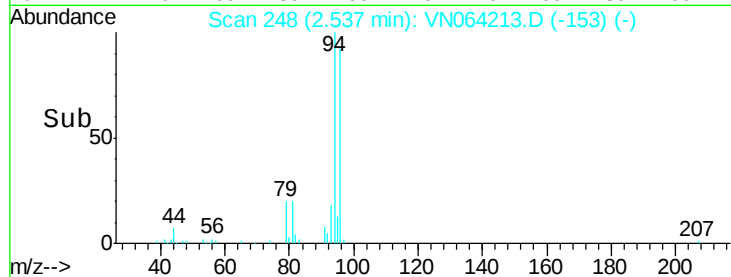
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.54



#6

Chloroethane

Concen: 12.070 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064213.D

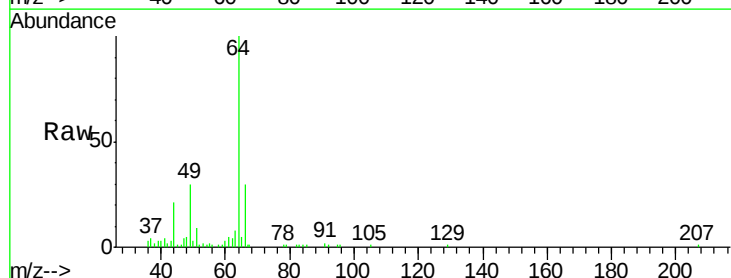
Acq: 21 Oct 2020 11:21

Tgt Ion: 64 Resp: 35709

Ion Ratio Lower Upper

64 100

66 29.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

20000

15000

10000

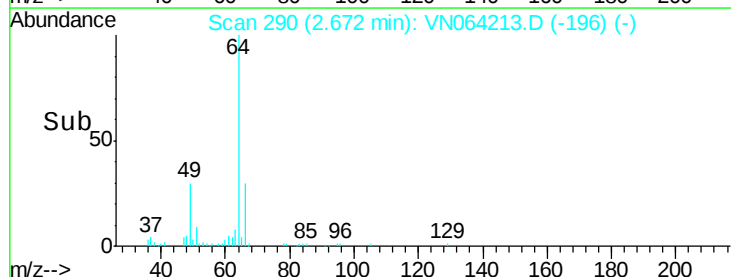
5000

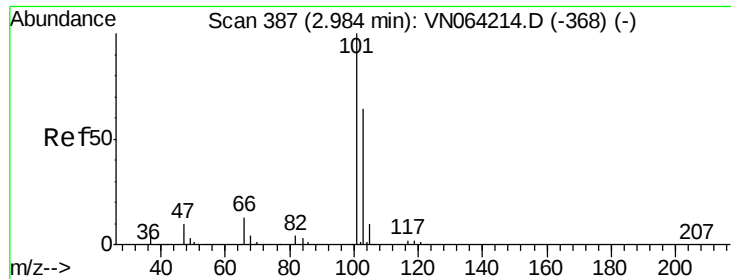
0

Time-->

2.60 2.65 2.70 2.75

2.67





#7

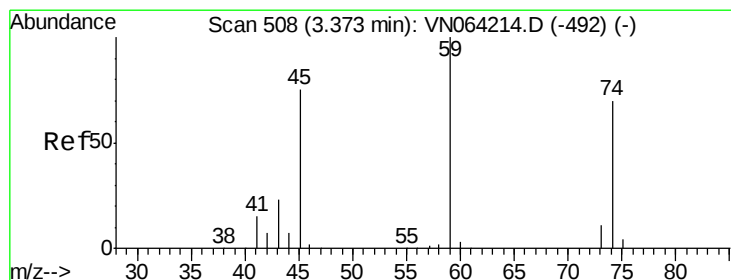
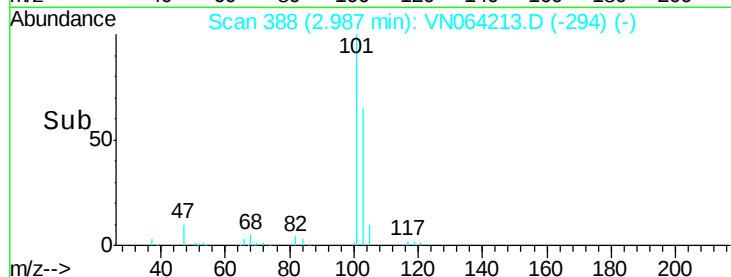
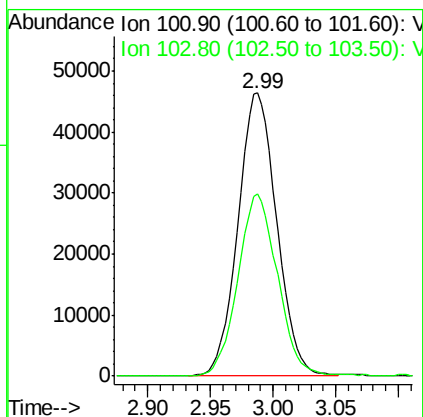
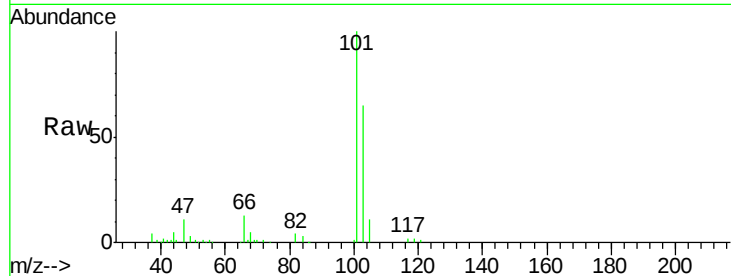
Trichlorofluoromethane
 Concen: 18.336 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.6

Manual Integrations
 APPROVED

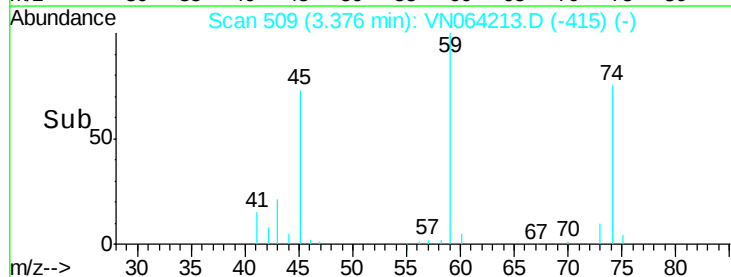
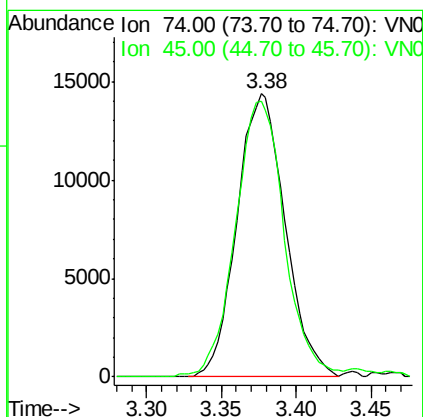
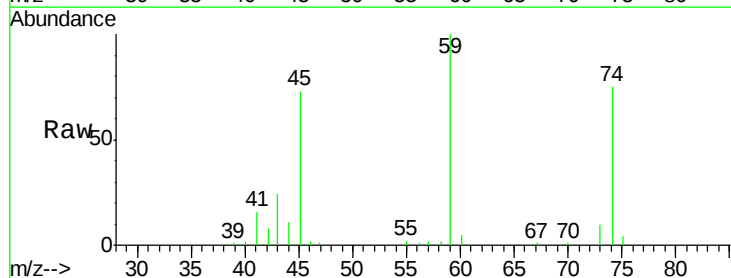
MMDadoda
 10/22/2020 3:25:23 PM

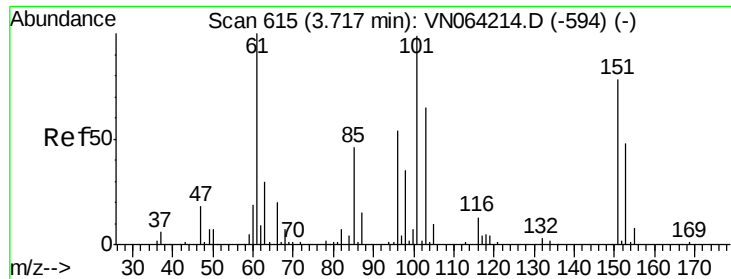


#8

Diethyl Ether
 Concen: 18.883 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.148 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

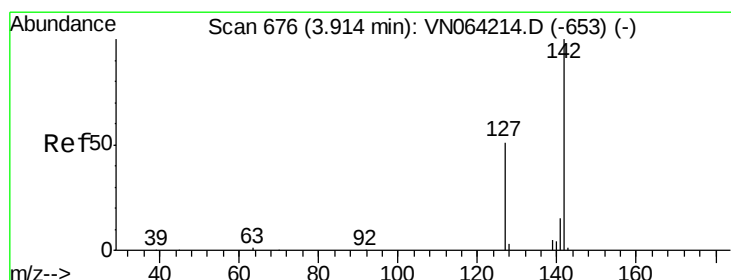
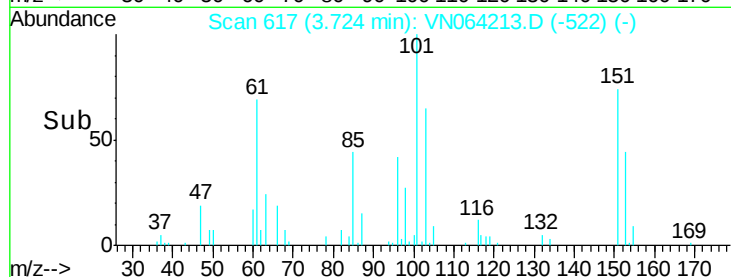
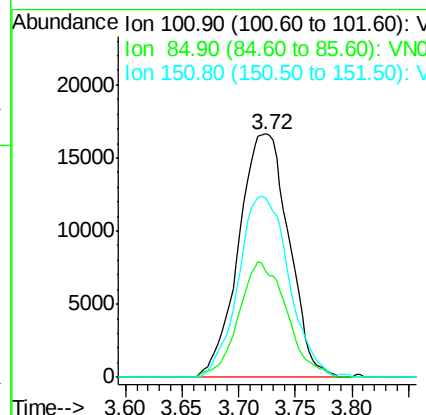
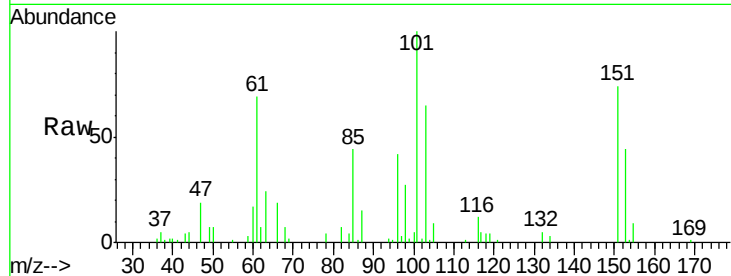
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	51247
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.8	56.8
151	75.1	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM



#10

Methyl Iodide

Concen: 18.068 ug/l

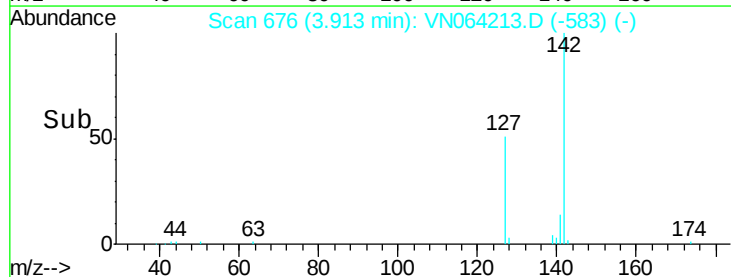
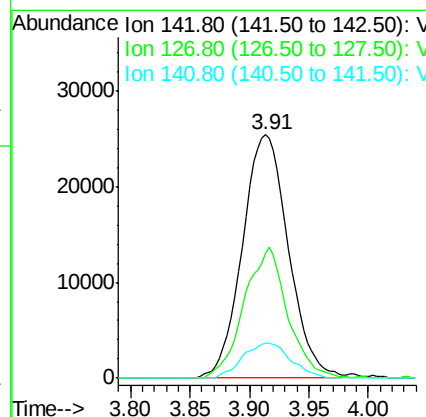
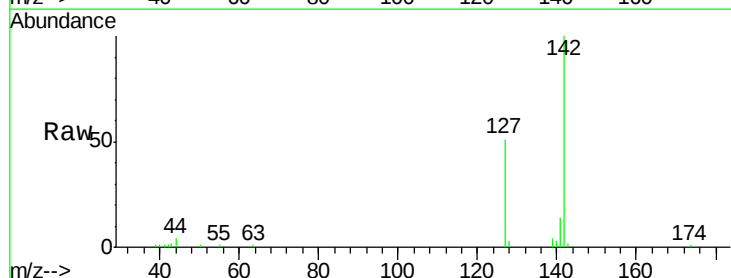
RT: 3.91 min Scan# 676

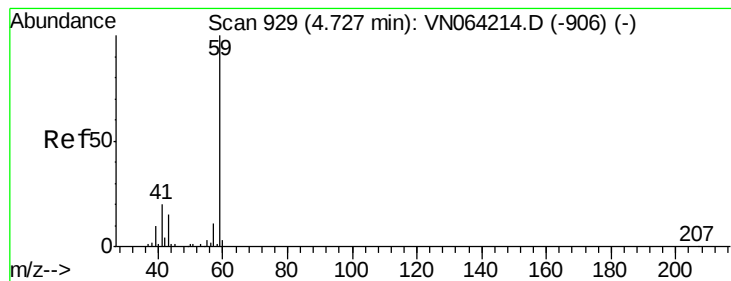
Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion:	142	Resp:	68100
Ion Ratio	Lower	Upper	
142	100		
127	50.8	41.0	61.6
141	15.1	11.3	16.9





#11

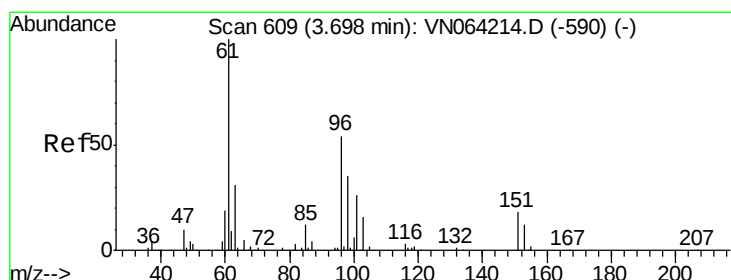
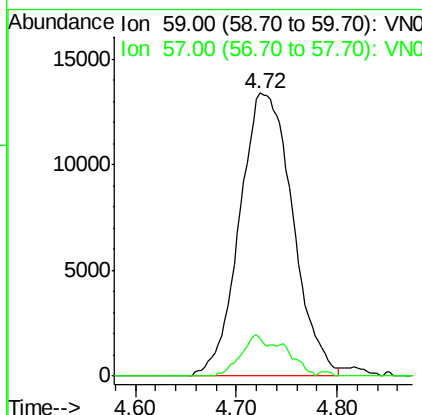
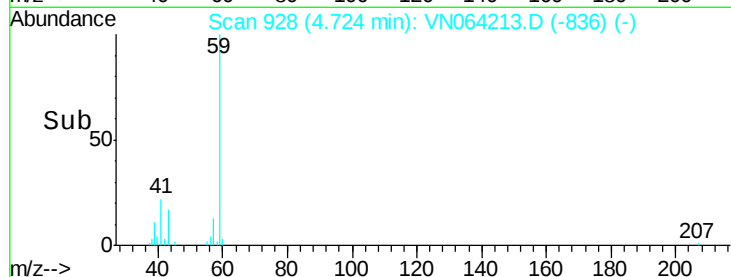
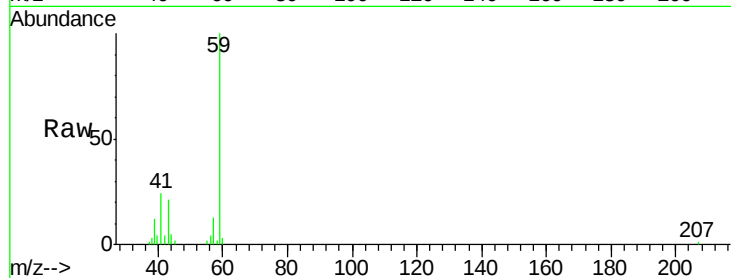
Tert butyl alcohol
Concen: 108.664 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	9.2	13.8#

Manual Integrations
APPROVED

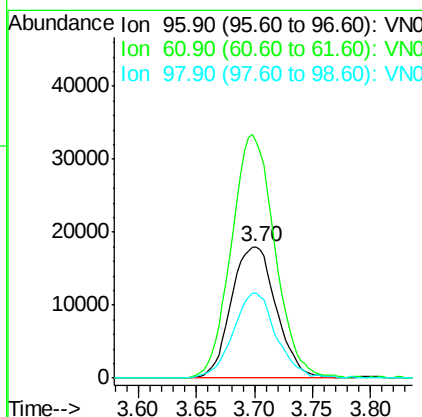
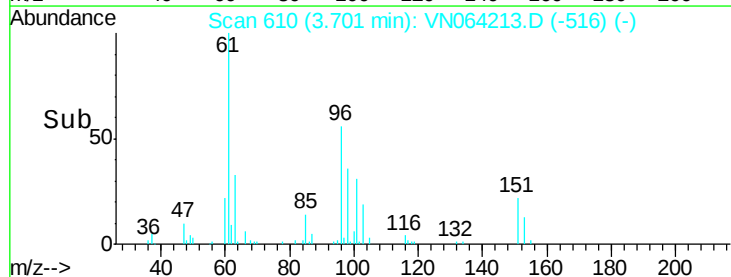
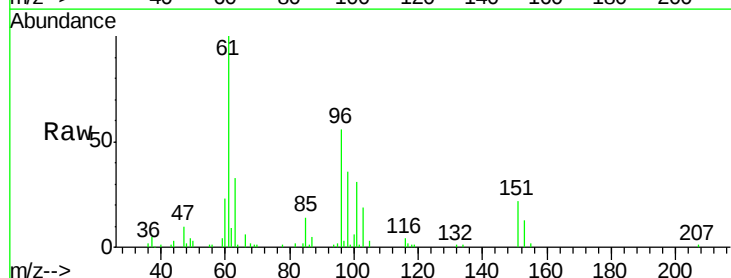
MMDadoda
10/22/2020 3:25:23 PM

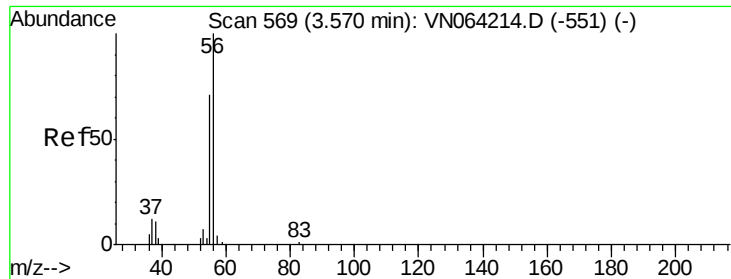


#12

1,1-Dichloroethene
Concen: 18.044 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.5	147.0	220.4
98	64.5	51.7	77.5





#13

Acrolein

Concen: 112.713 ug/l

RT: 3.57 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 38461

Ion Ratio Lower Upper

56 100

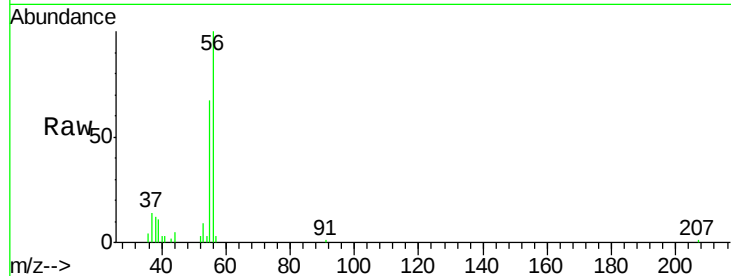
55 68.8 56.1 84.1

Manual Integrations

APPROVED

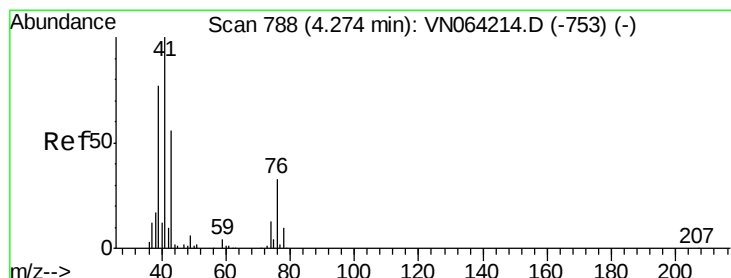
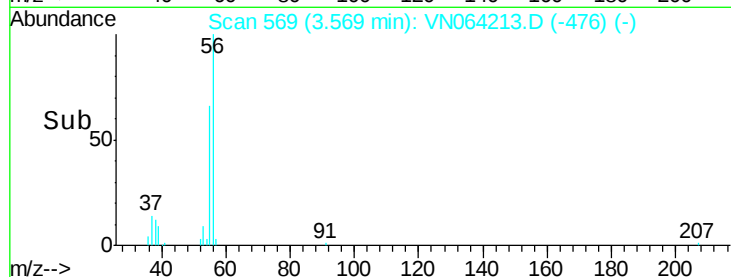
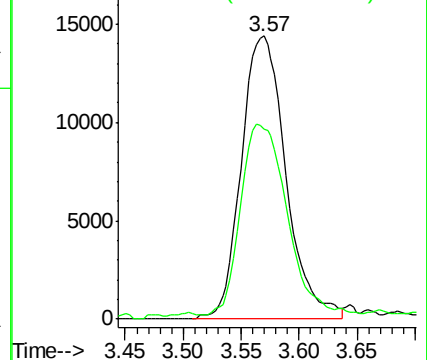
MMDadoda

10/22/2020 3:25:23 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.350 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

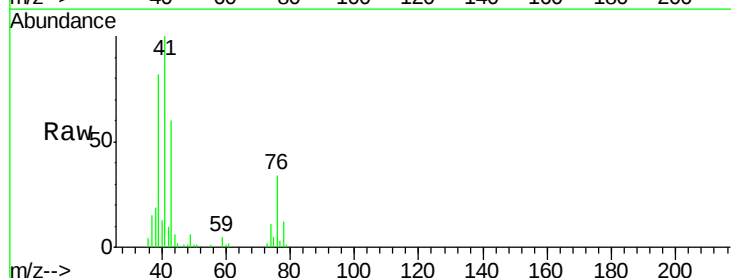
Tgt Ion: 41 Resp: 93571

Ion Ratio Lower Upper

41 100

39 73.1 58.6 88.0

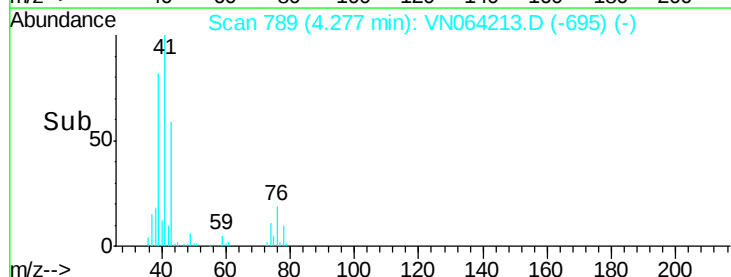
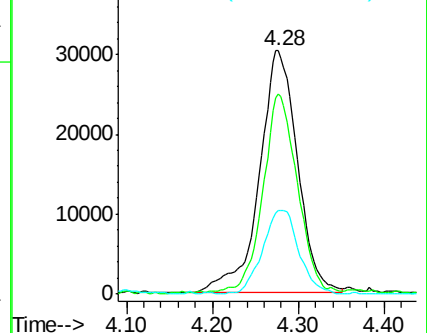
76 32.9 24.5 36.7

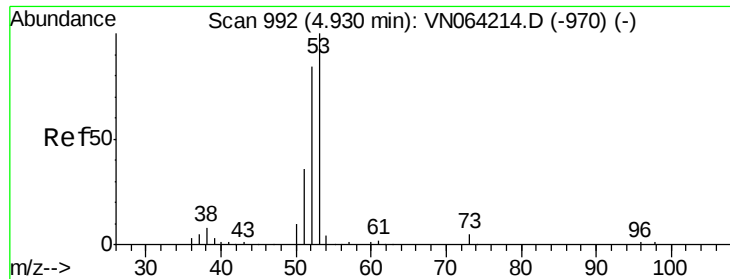


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 86.498 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

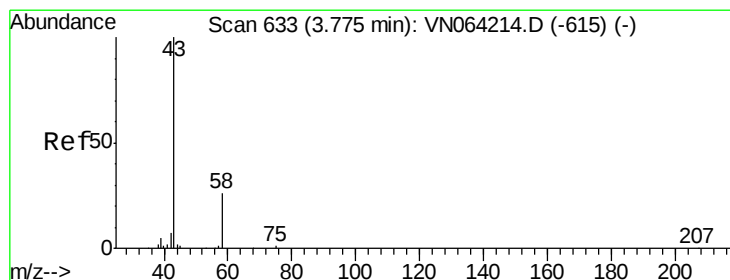
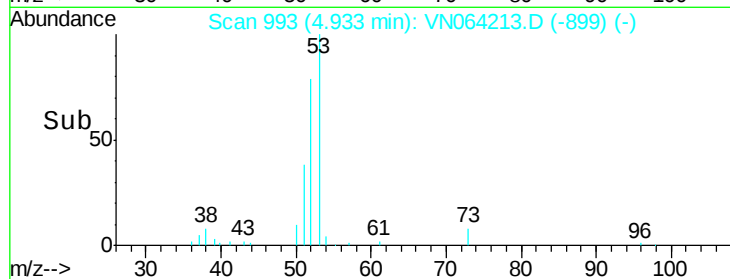
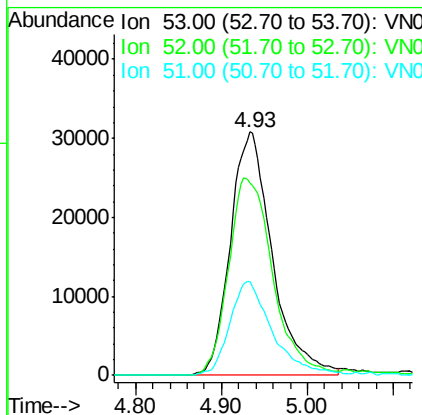
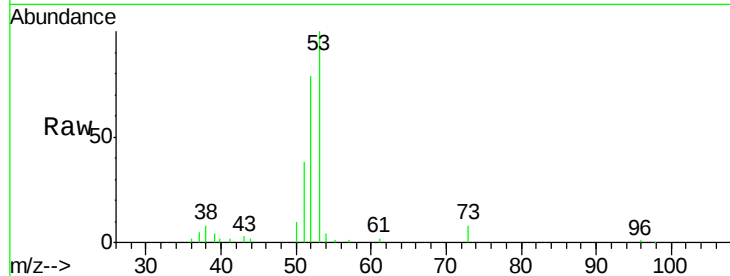
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	104469
Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.8	100.2
51	39.3	30.7	46.1

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM



#16

Acetone

Concen: 91.780 ug/l

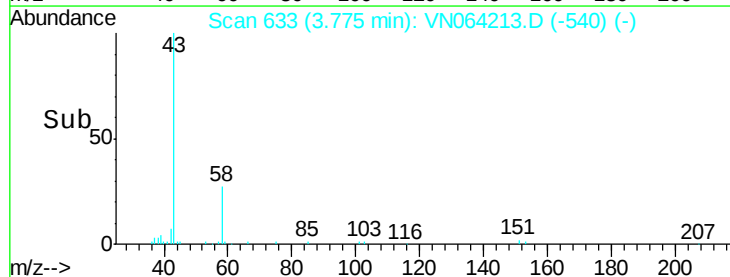
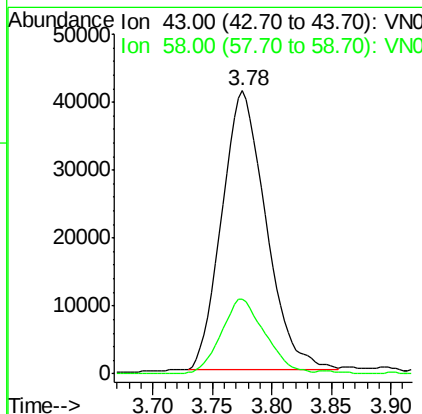
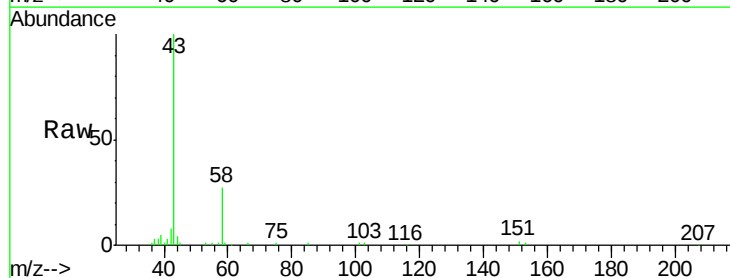
RT: 3.78 min Scan# 633

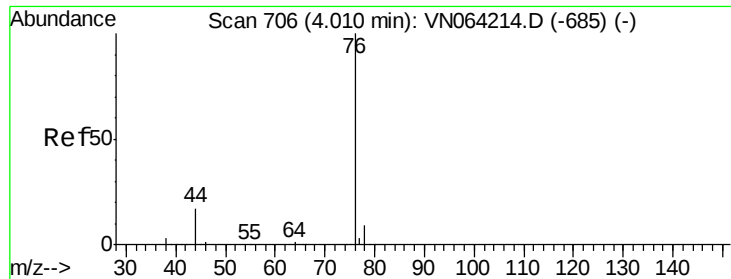
Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion:	43	Resp:	105819
Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.0	31.4





#17

Carbon Disulfide

Concen: 18.015 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 137984

Ion Ratio Lower Upper

76 100

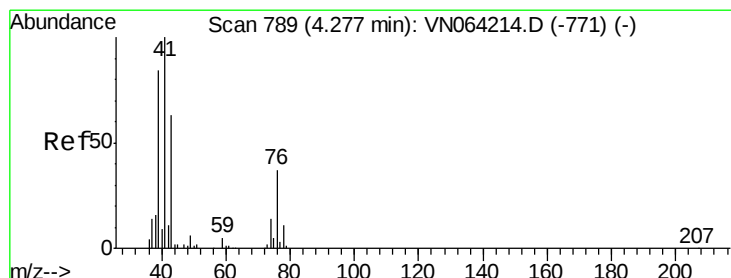
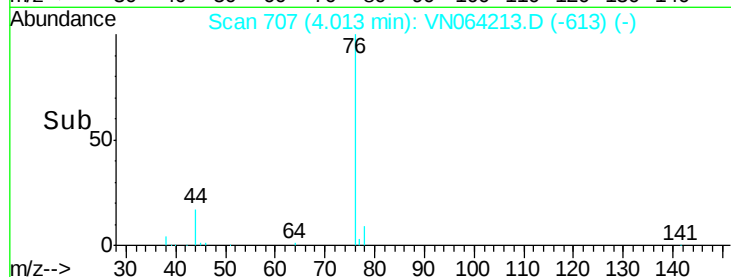
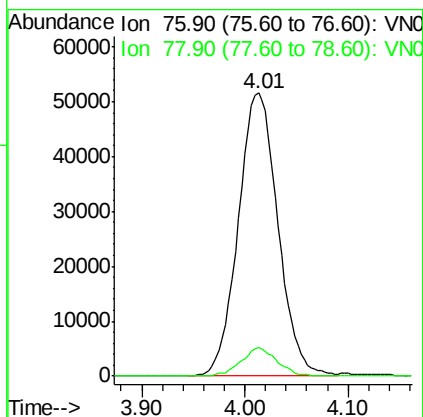
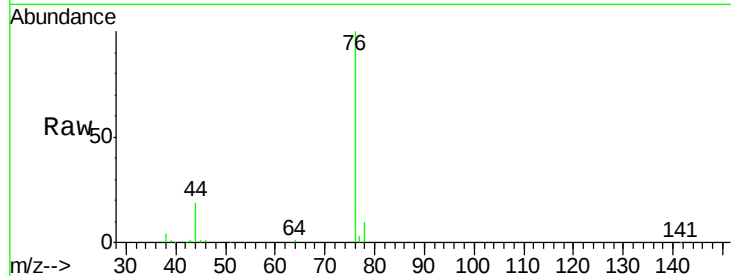
78 10.1 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:23 PM



#18

Methyl Acetate

Concen: 18.584 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064213.D

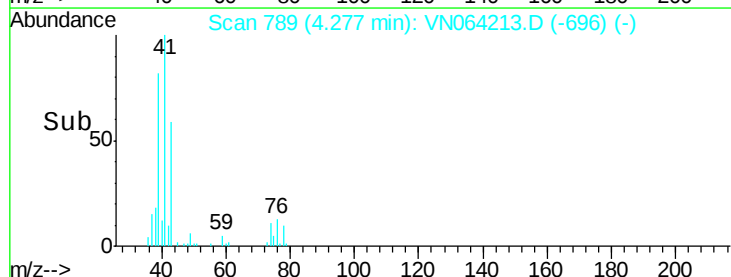
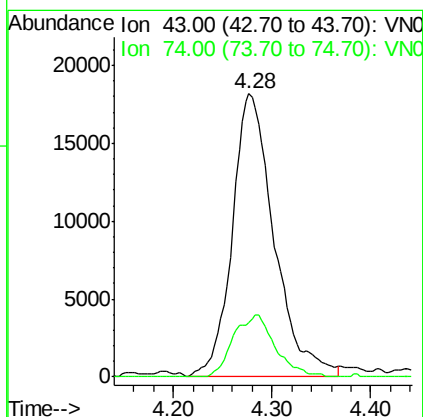
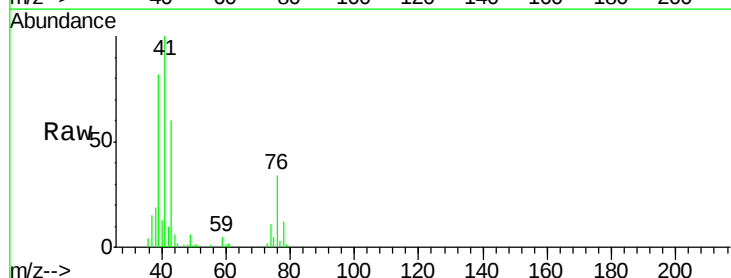
Acq: 21 Oct 2020 11:21

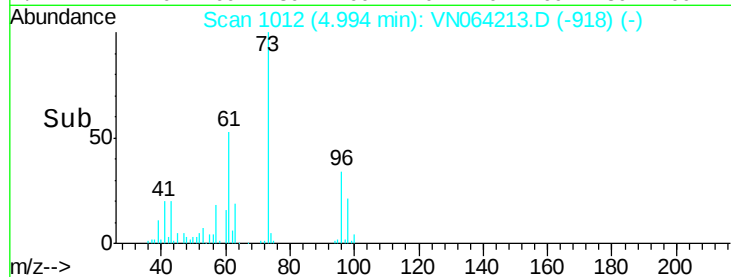
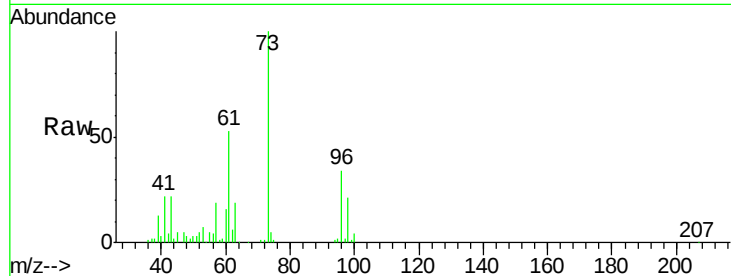
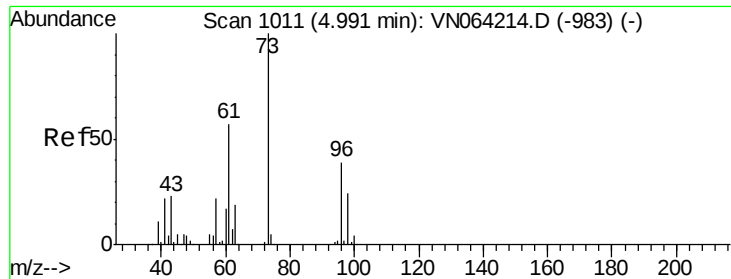
Tgt Ion: 43 Resp: 53673

Ion Ratio Lower Upper

43 100

74 21.6 17.9 26.9





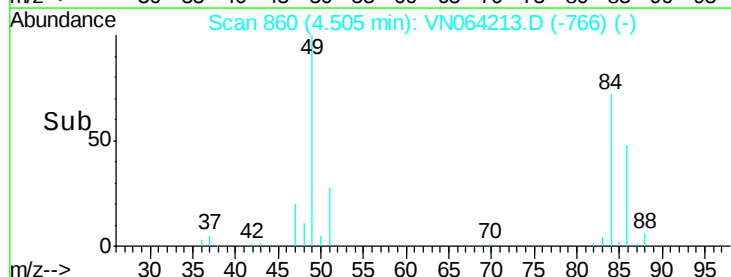
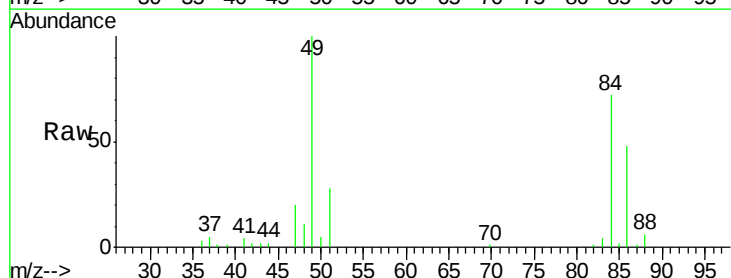
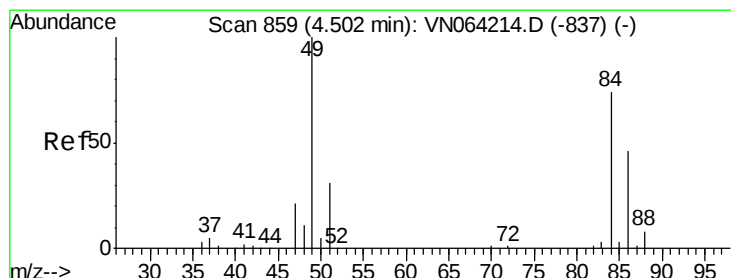
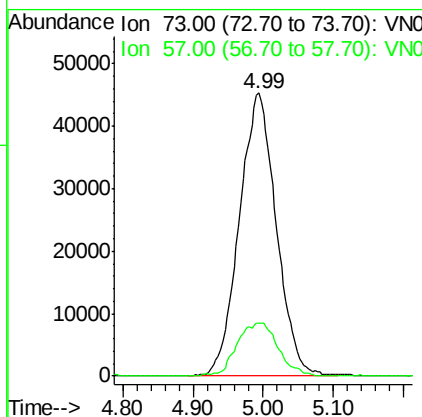
#19
Methyl tert-butyl Ether
Concen: 20.559 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tot Ion: 73 Resp: 165468
Ion Ratio Lower Upper
73 100
57 18.9 18.0 27.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

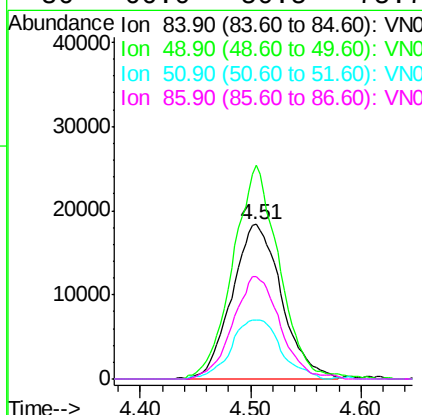
Manual Integrations
APPROVED

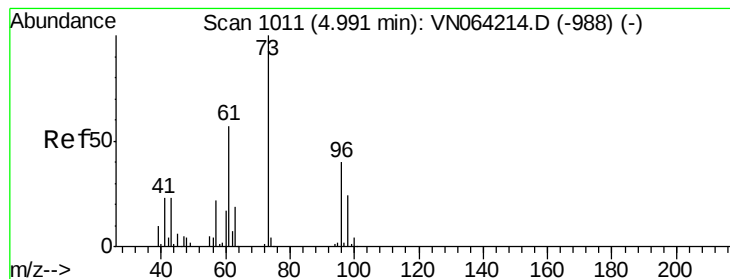
MMDadoda
10/22/2020 3:25:23 PM



#20
Methylene Chloride
Concen: 16.414 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion: 84 Resp: 57171
Ion Ratio Lower Upper
84 100
49 136.2 108.5 162.7
51 37.2 33.8 50.8
86 66.0 50.5 75.7





#21

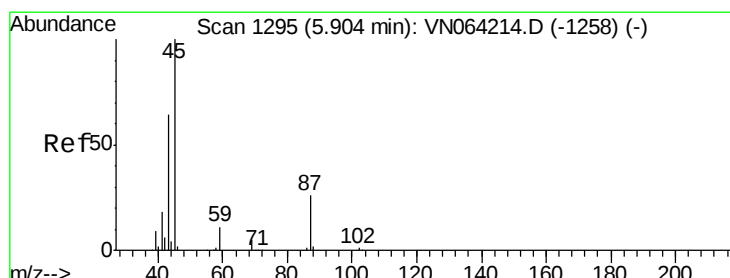
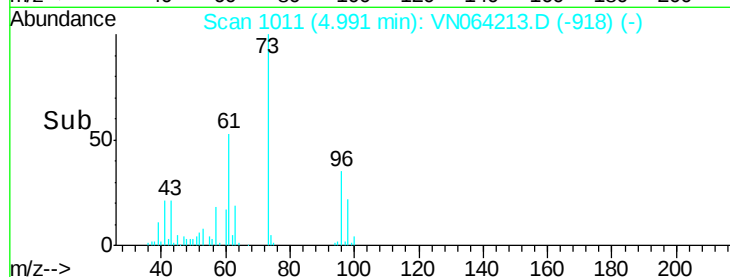
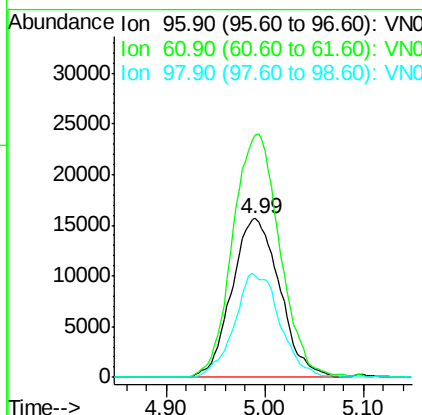
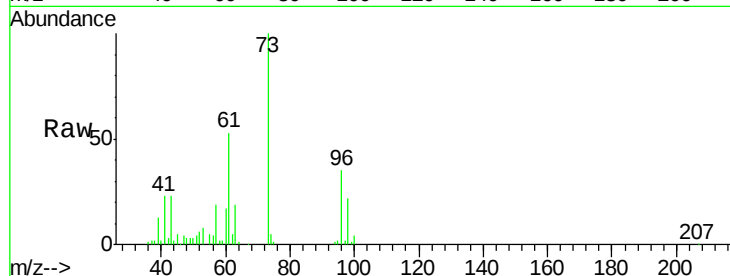
trans-1,2-Dichloroethene
Concen: 17.484 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	115.8	173.6
98	63.7	49.4	74.0

Manual Integrations
APPROVED

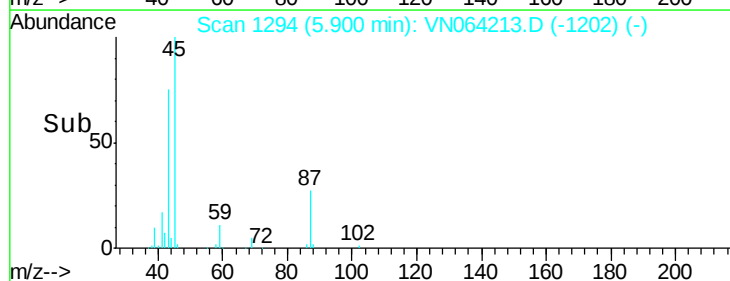
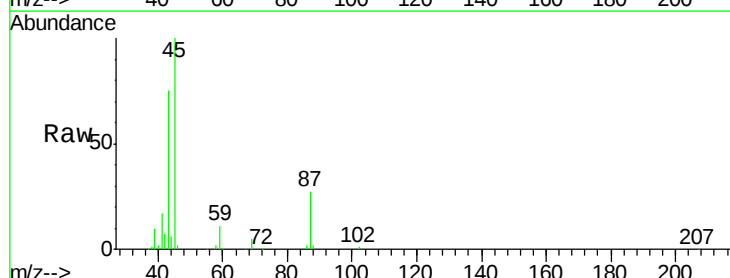
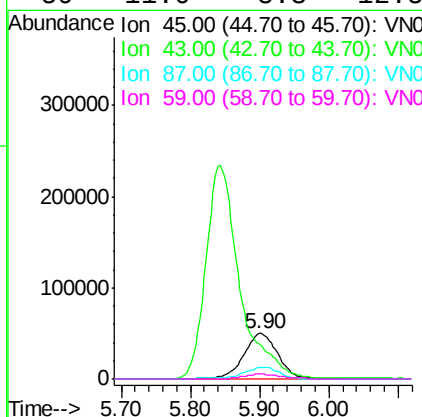
MMDadoda
10/22/2020 3:25:23 PM

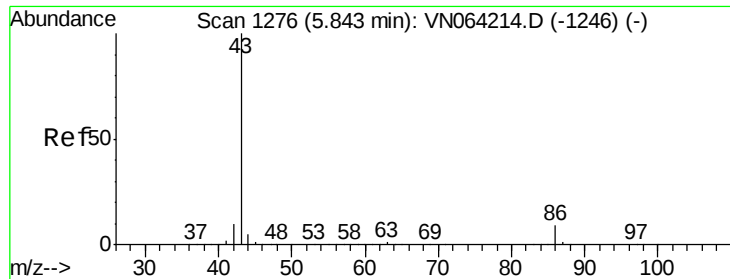


#22

Diisopropyl ether
Concen: 20.615 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.8	52.2	78.4
87	26.7	21.4	32.0
59	11.0	8.3	12.5





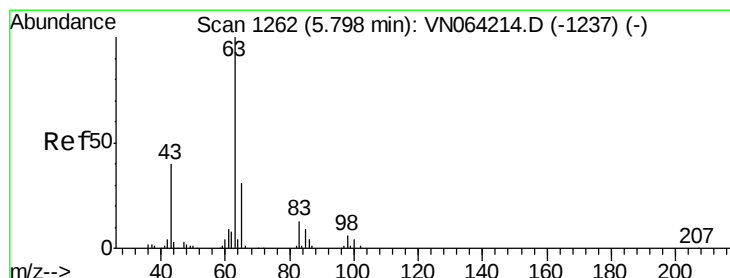
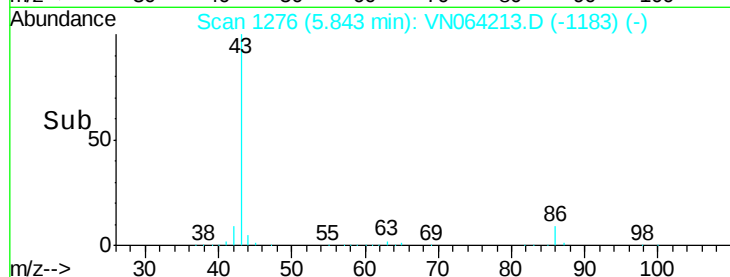
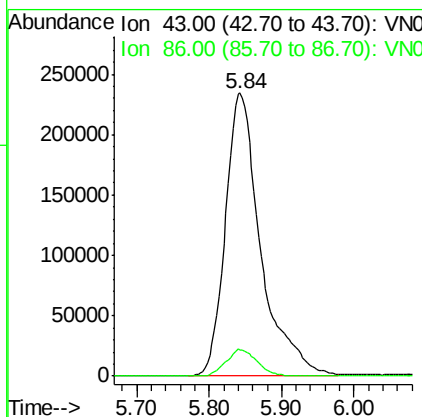
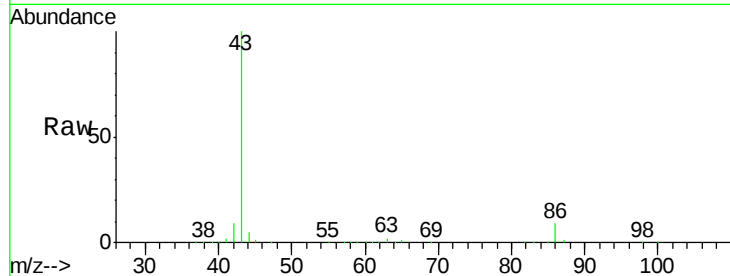
#23
 Vinyl Acetate
 Concen: 106.866 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.4	7.4	11.0	

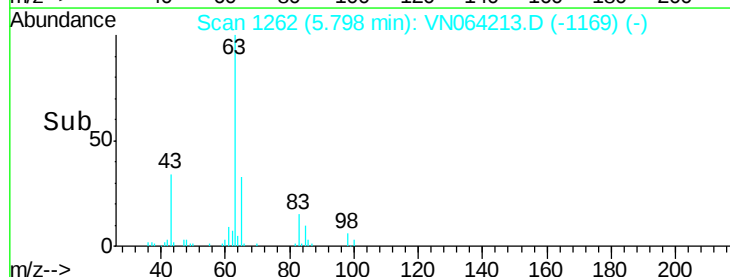
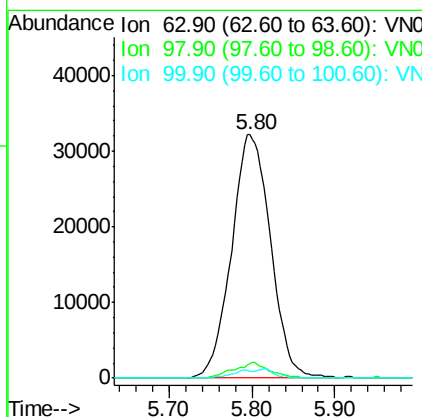
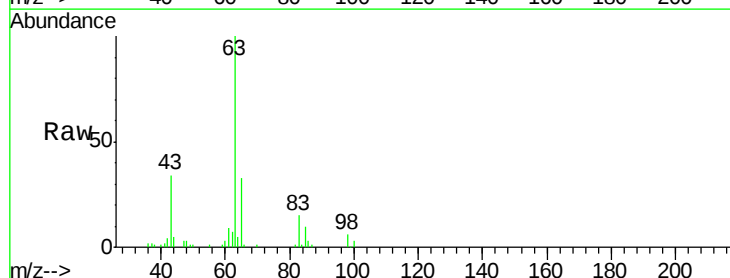
Manual Integrations
 APPROVED

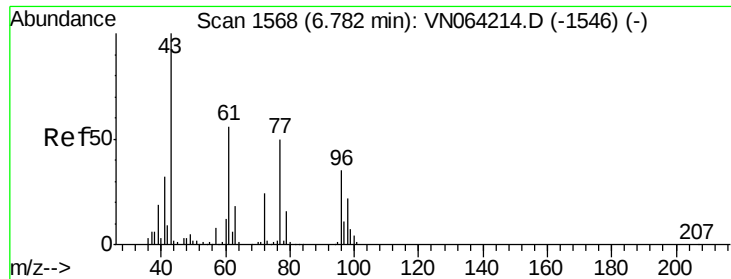
MMDadoda
 10/22/2020 3:25:23 PM



#24
 1,1-Dichloroethane
 Concen: 18.507 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	6.1	2.9	8.7	
100	2.8	2.0	6.0	





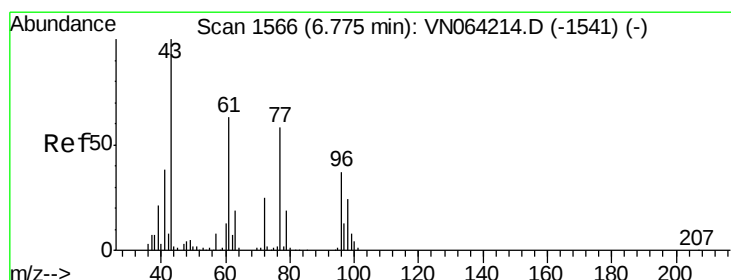
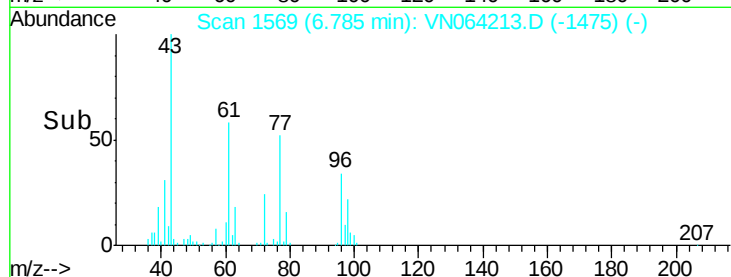
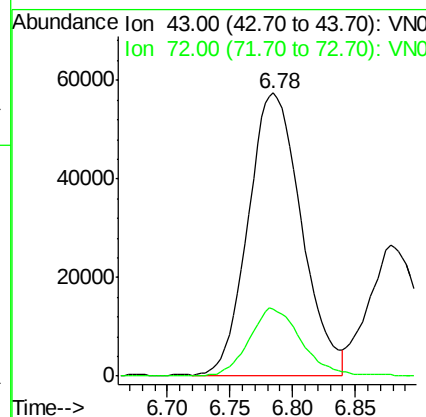
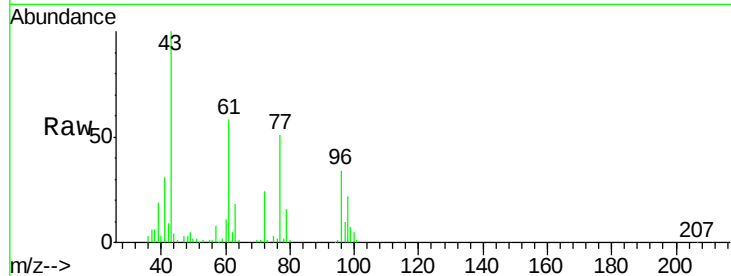
#25
2-Butanone
Concen: 95.379 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 168733
Ion Ratio Lower Upper
43 100
72 23.9 19.4 29.0

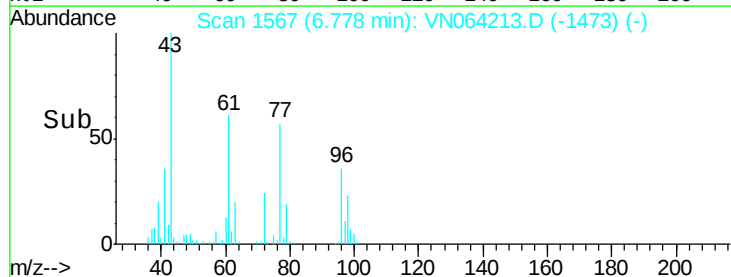
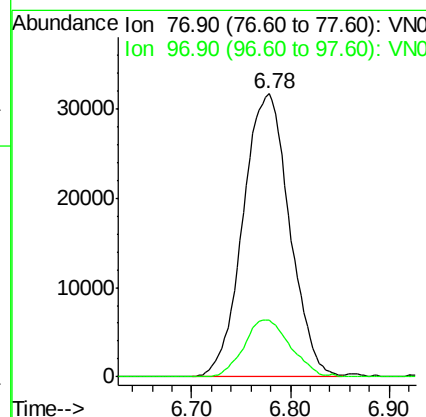
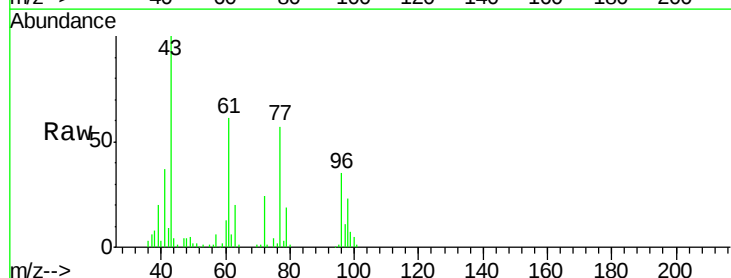
Manual Integrations
APPROVED

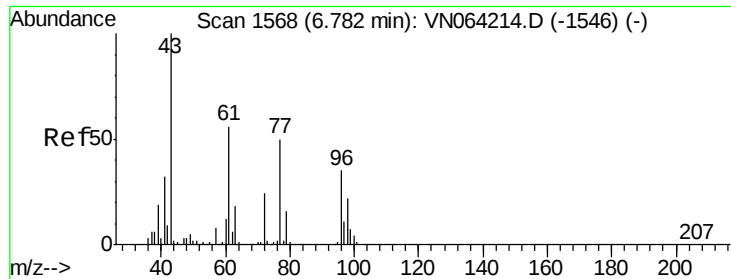
MMDadoda
10/22/2020 3:25:23 PM



#26
2,2-Dichloropropane
Concen: 21.174 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion: 77 Resp: 103594
Ion Ratio Lower Upper
77 100
97 20.0 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 17.136 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

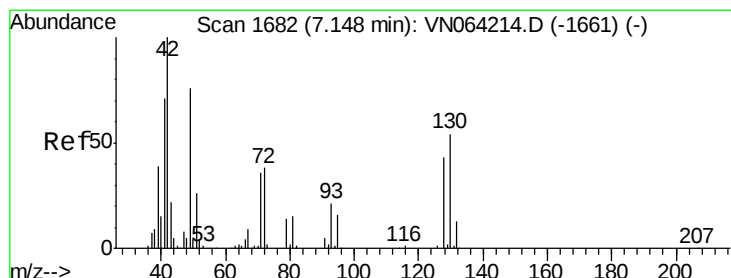
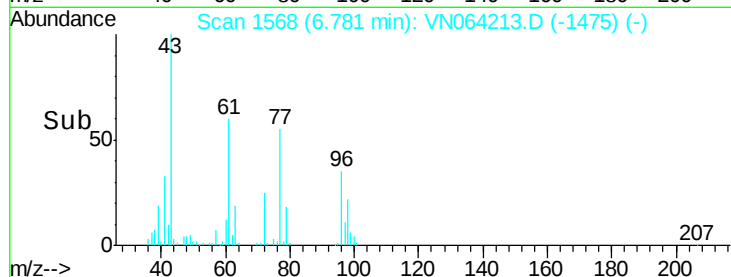
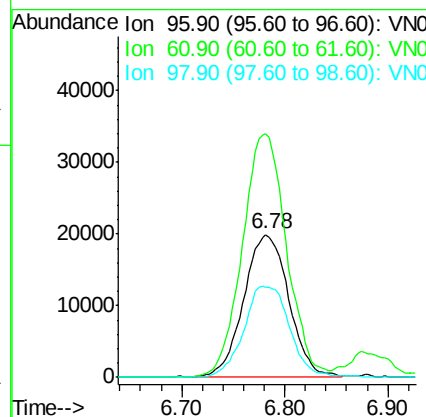
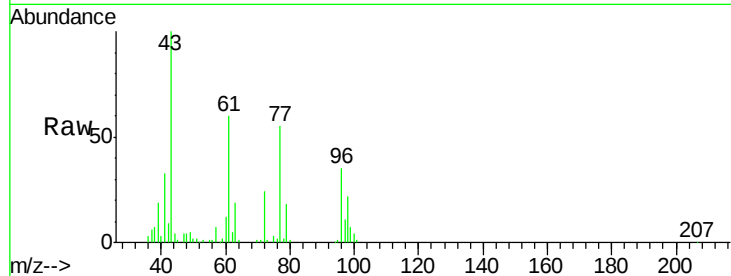
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	60604
Ion	Ratio	Lower	Upper
96	100		
61	166.5	0.0	330.0
98	64.7	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM



#28

Bromochloromethane

Concen: 18.085 ug/l

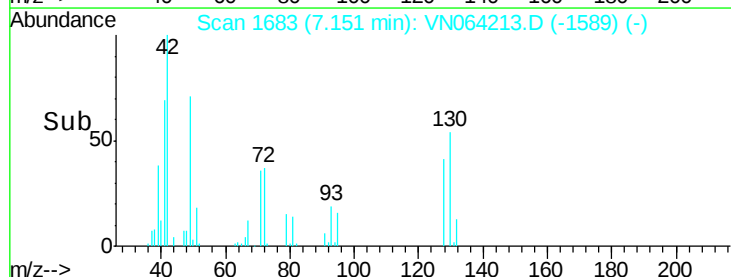
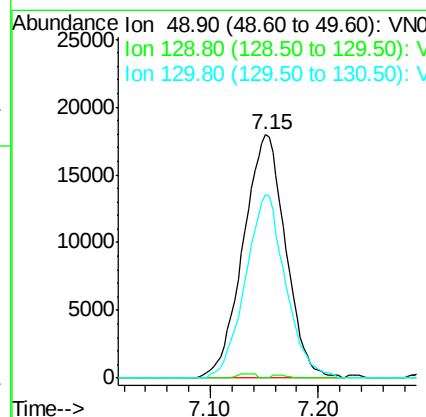
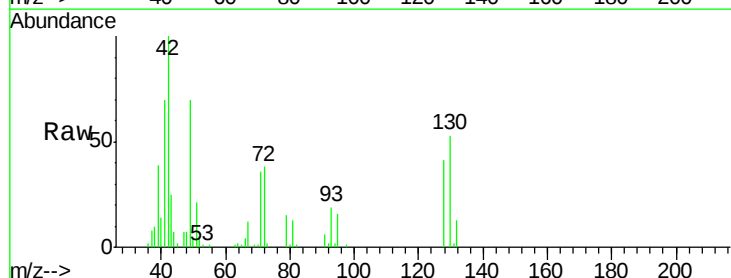
RT: 7.15 min Scan# 1683

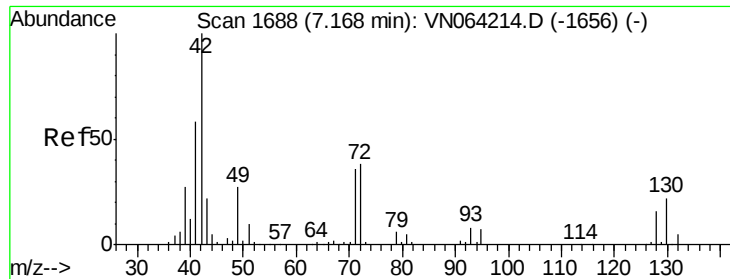
Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion:	49	Resp:	49017
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.8
130	71.4	58.8	88.2





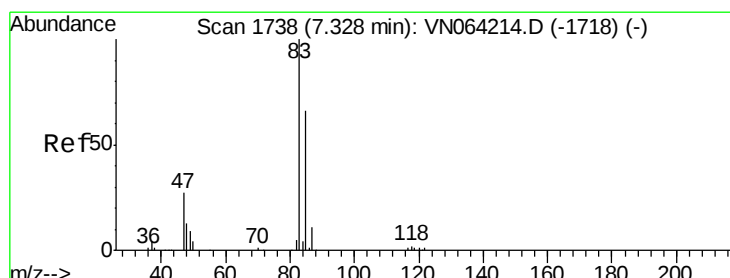
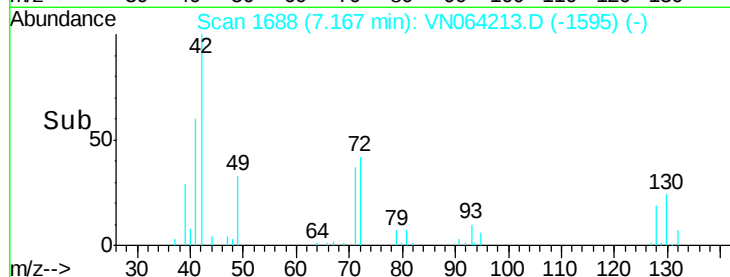
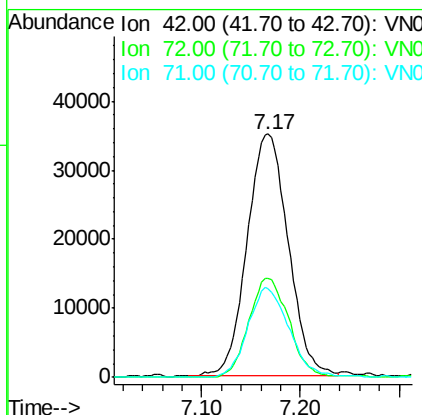
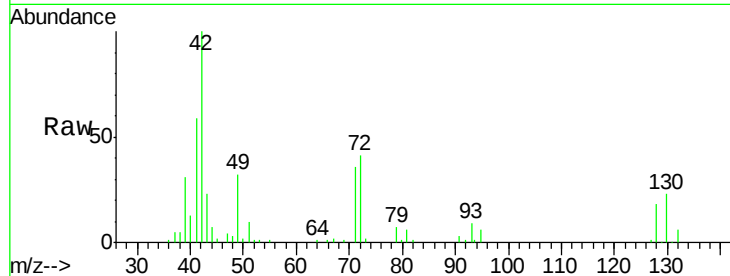
#29
Tetrahydrofuran
Concen: 97.295 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	30.8	46.2
71	37.0	29.0	43.6

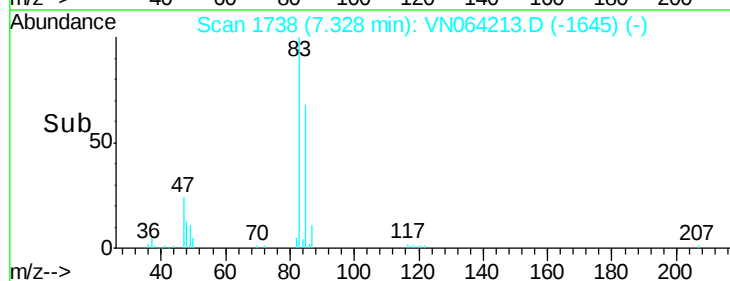
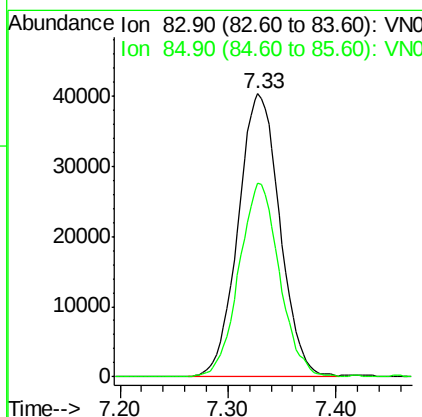
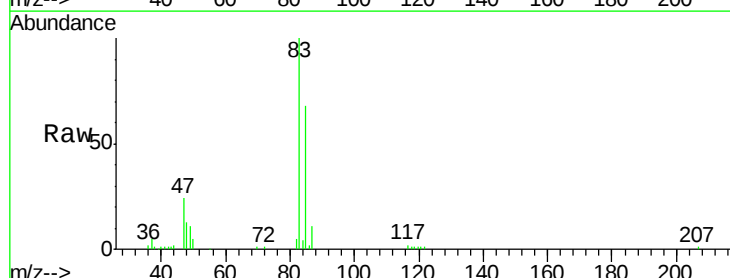
Manual Integrations
APPROVED

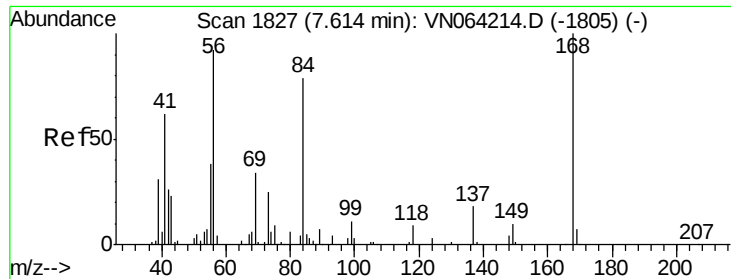
MMDadoda
10/22/2020 3:25:23 PM



#30
Chloroform
Concen: 17.984 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	52.5	78.7





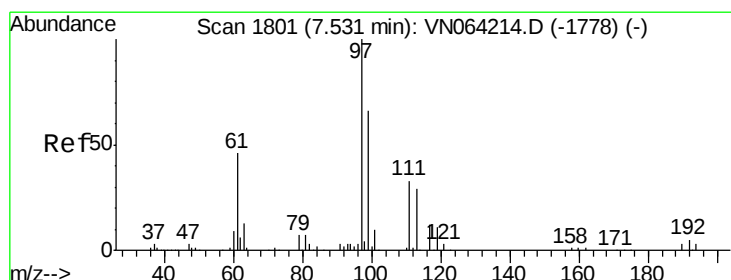
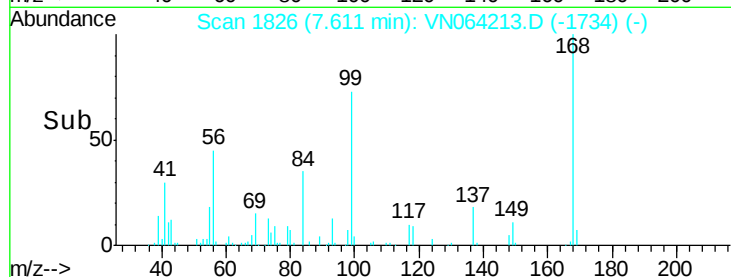
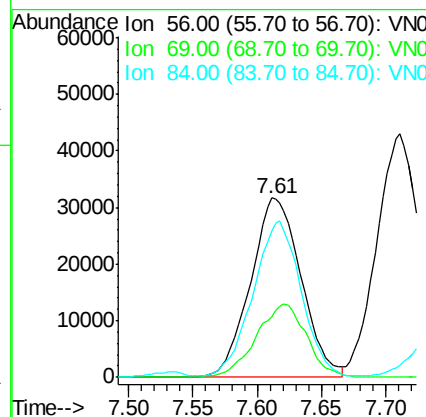
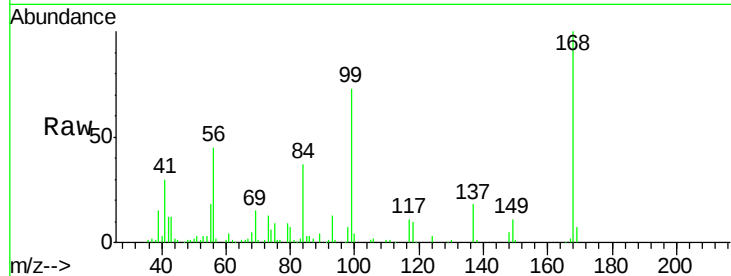
#31
Cyclohexane
Concen: 19.923 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	29.8	44.6
84	80.8	68.1	102.1

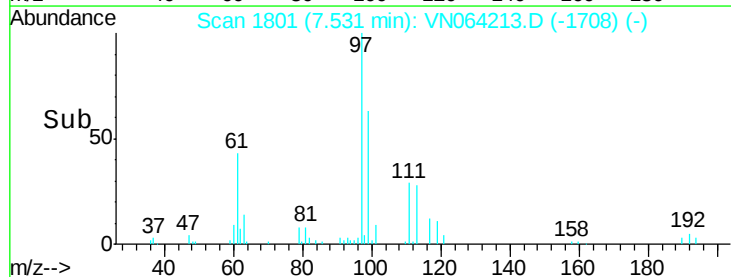
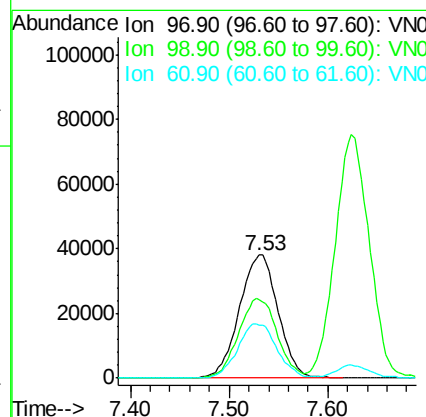
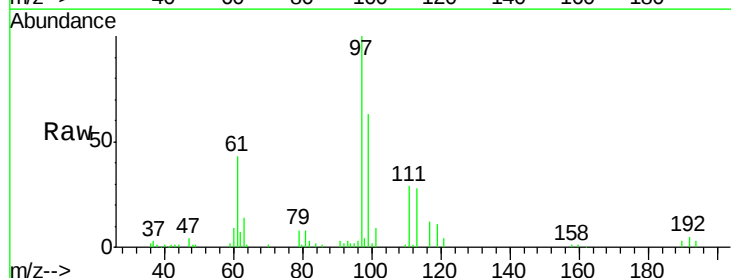
Manual Integrations
APPROVED

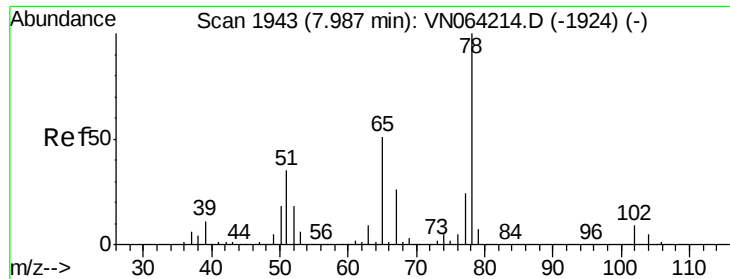
MMDadoda
10/22/2020 3:25:23 PM



#32
1,1,1-Trichloroethane
Concen: 19.566 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.2	76.8
61	44.7	36.3	54.5





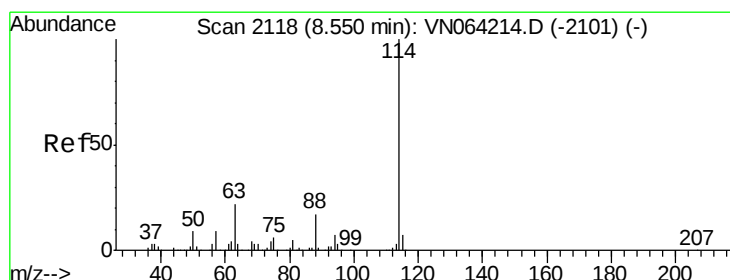
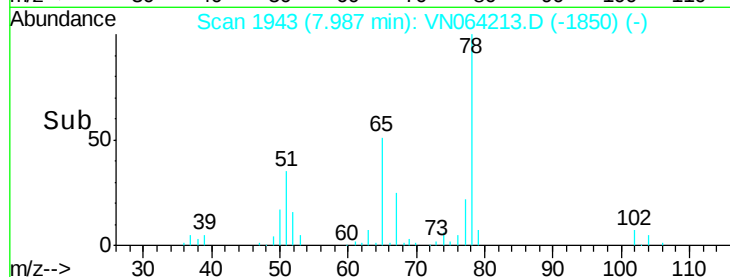
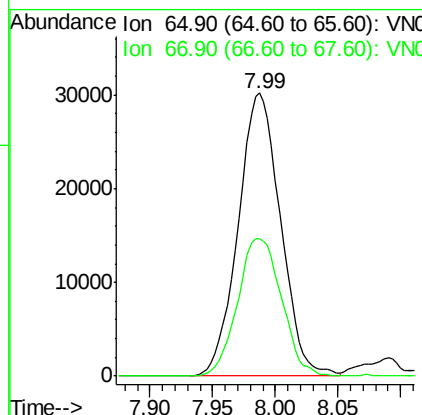
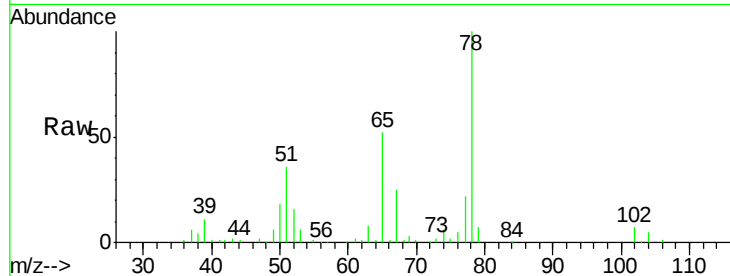
#33
 1,2-Dichloroethane-d4
 Concen: 18.230 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.2

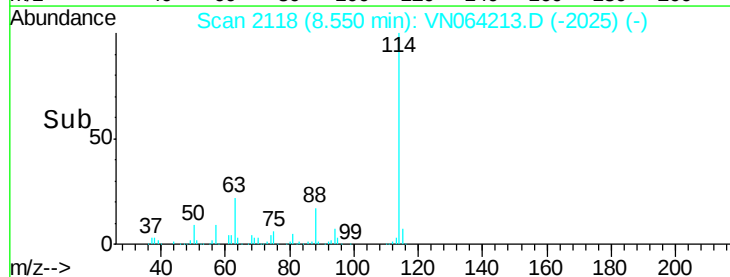
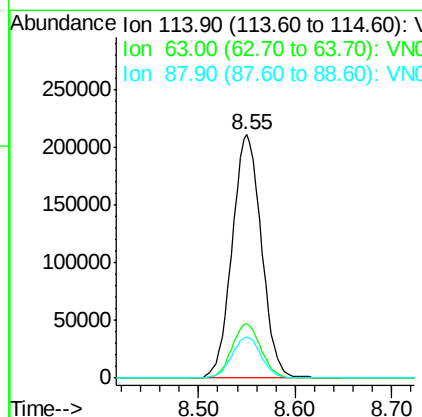
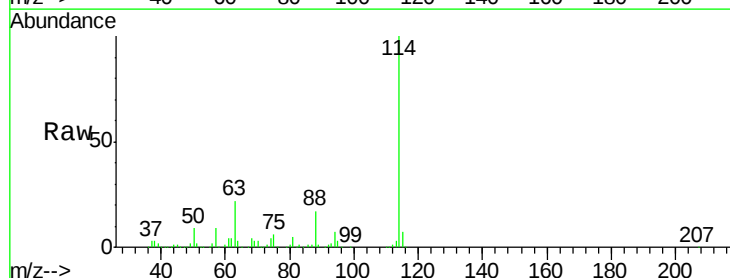
Manual Integrations
 APPROVED

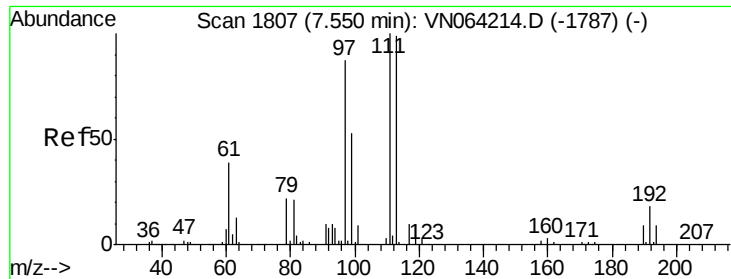
MMDadoda
 10/22/2020 3:25:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.8	0.0	34.2





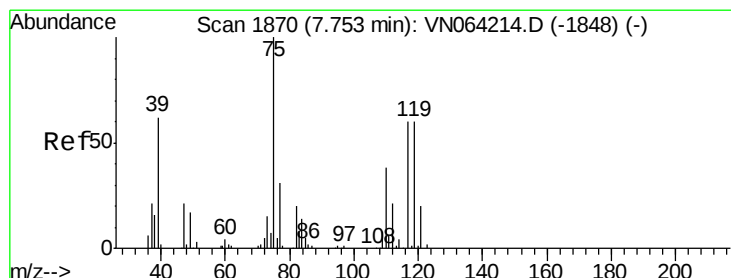
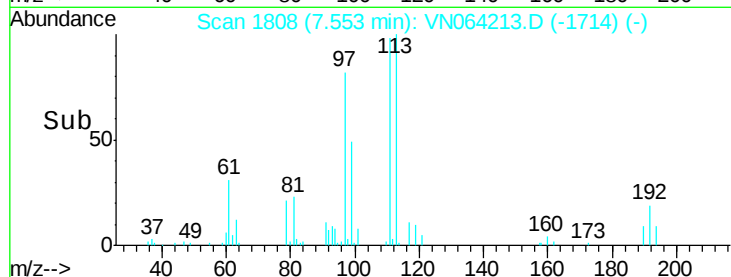
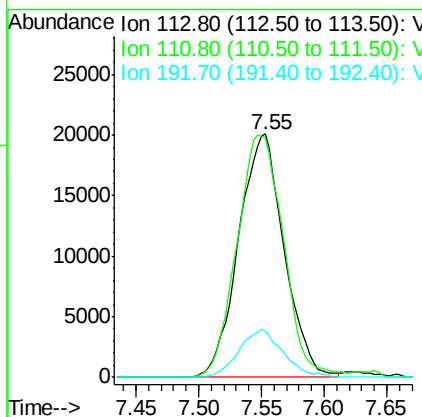
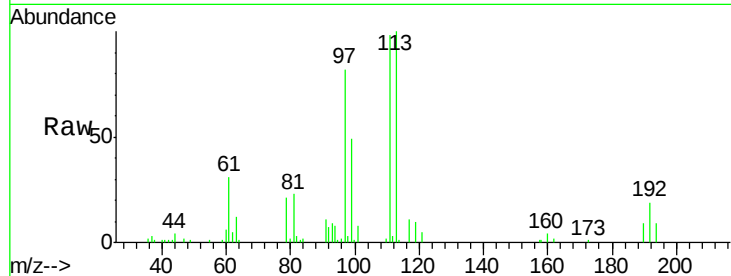
#35
Dibromofluoromethane
Concen: 16.493 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	50654		
111	102.1		84.2	126.2
192	18.8		15.2	22.8

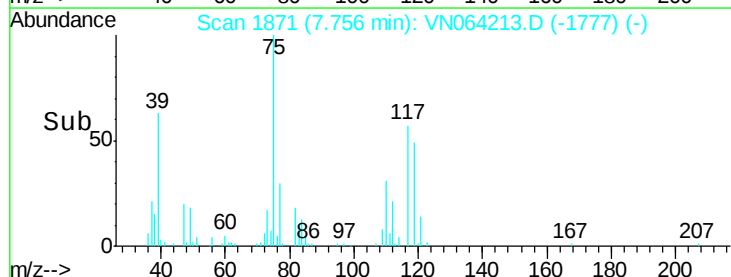
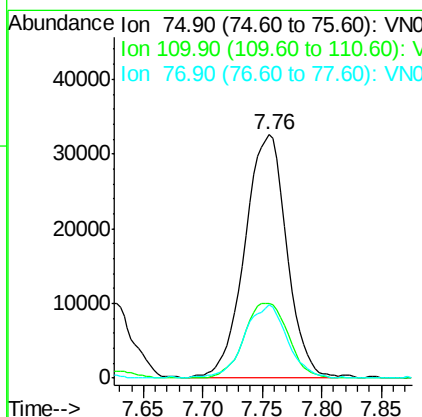
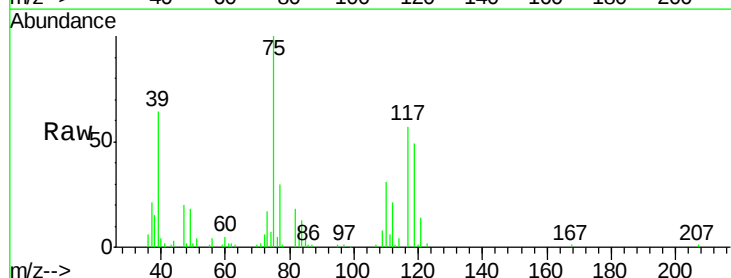
Manual Integrations
APPROVED

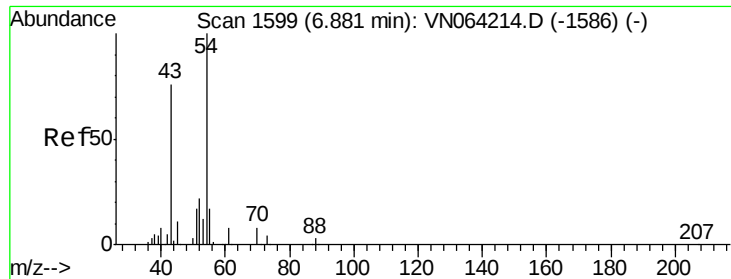
MMDadoda
10/22/2020 3:25:23 PM



#36
1,1-Dichloropropene
Concen: 18.437 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79661		
110	32.4		17.2	51.6
77	30.9		24.9	37.3





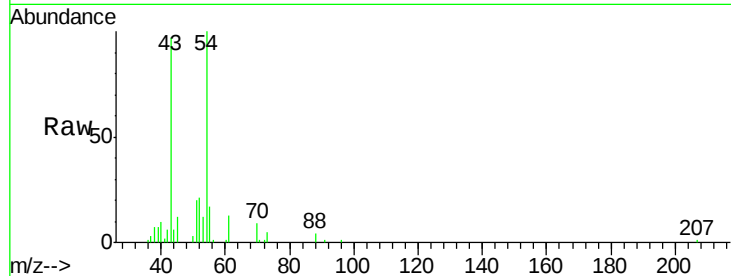
#37
Ethyl Acetate
Concen: 19.993 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.0	15.0
70	9.5	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM

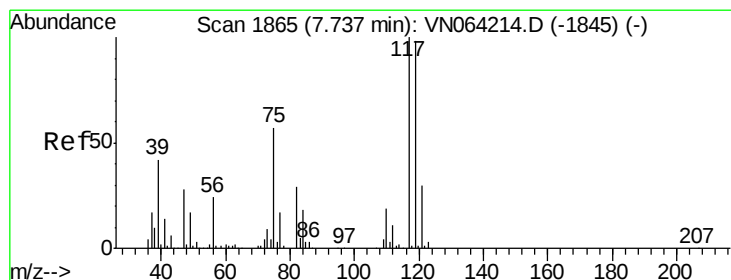
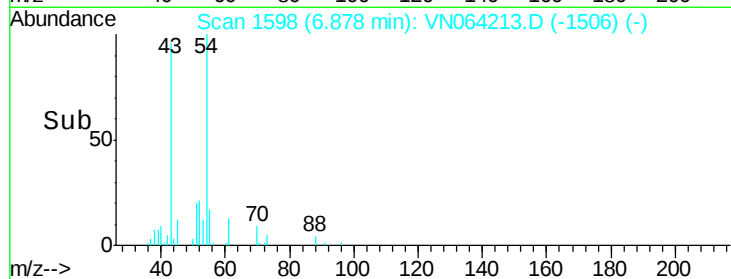
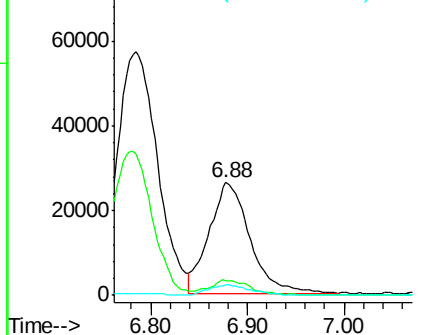


Abundance

Ion 43.00 (42.70 to 43.70): VN064213.D (-1586) (-)

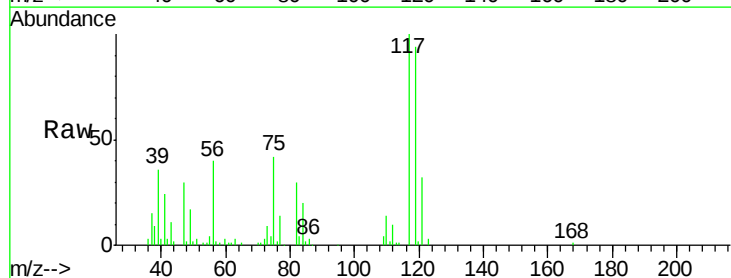
Ion 60.90 (60.60 to 61.60): VN064213.D (-1586) (-)

Ion 70.00 (69.70 to 70.70): VN064213.D (-1586) (-)



#38
Carbon Tetrachloride
Concen: 20.185 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.5	117.7
121	32.4	24.3	36.5

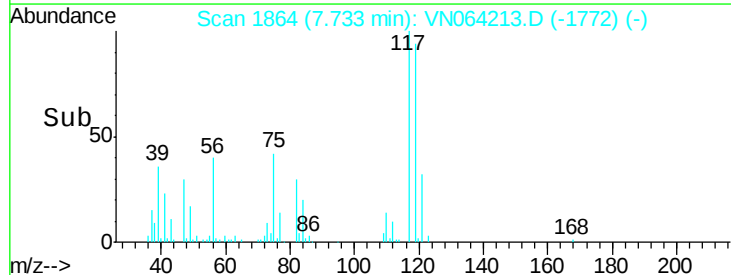
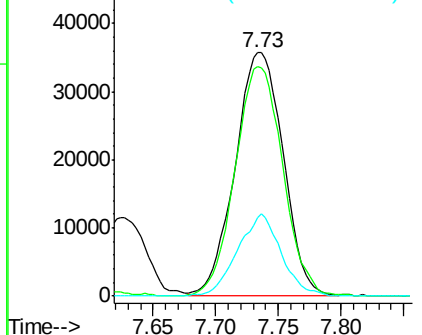


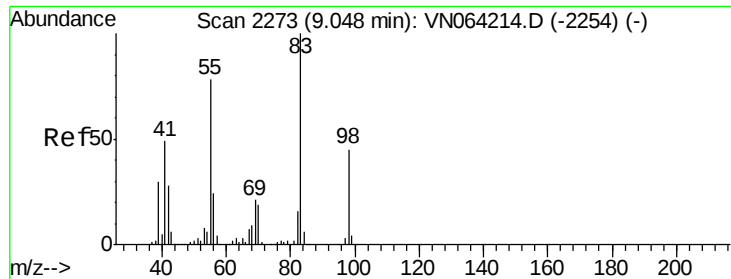
Abundance

Ion 116.80 (116.50 to 117.50): VN064213.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN064213.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN064213.D (-1772) (-)





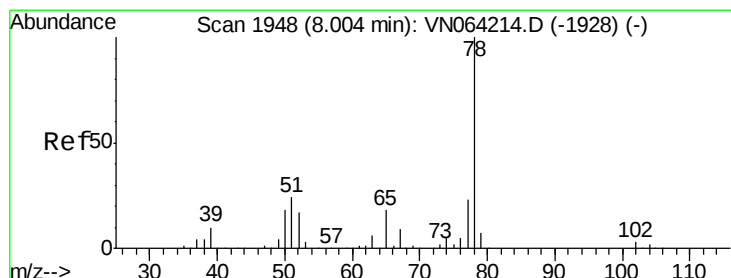
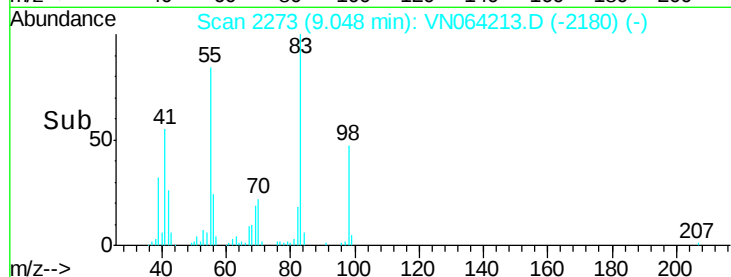
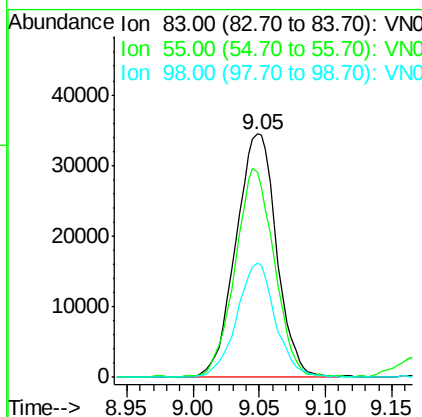
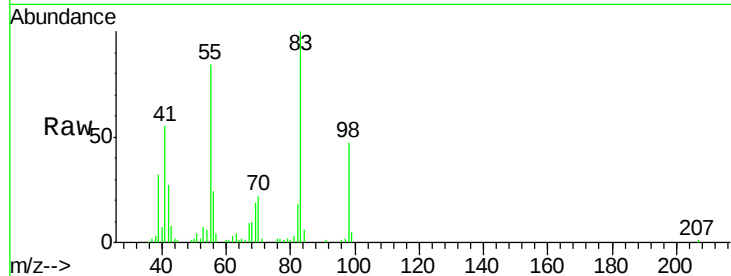
#39
Methvlcvclohexane
Concen: 19.941 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	62.2	93.2
98	46.7	35.9	53.9

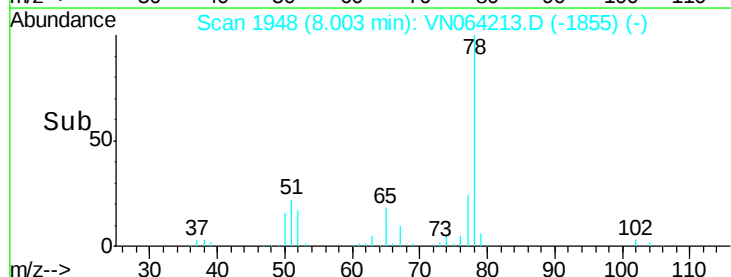
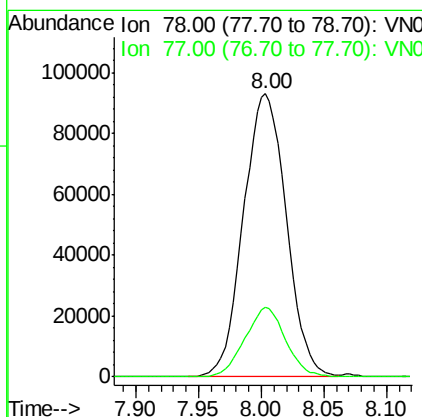
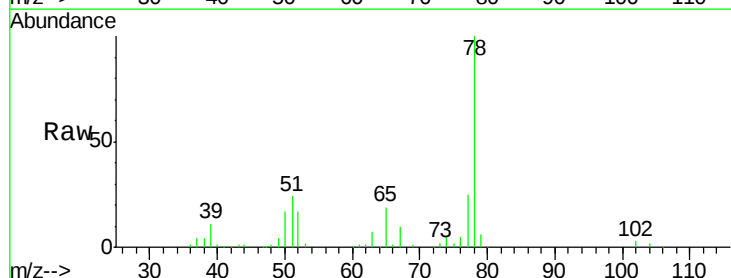
Manual Integrations
APPROVED

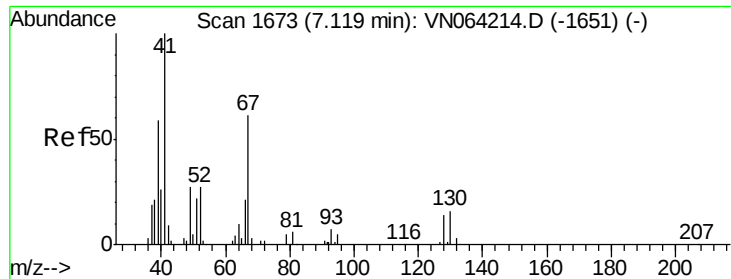
MMDadoda
10/22/2020 3:25:23 PM



#40
Benzene
Concen: 17.194 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.3	27.5





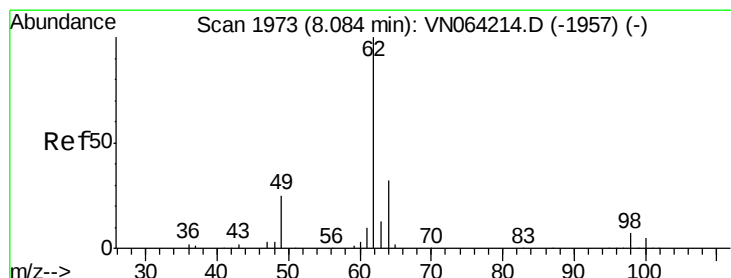
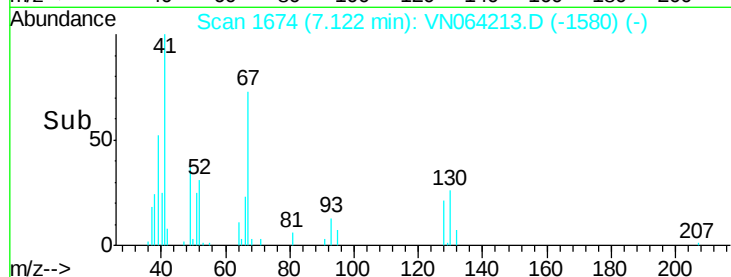
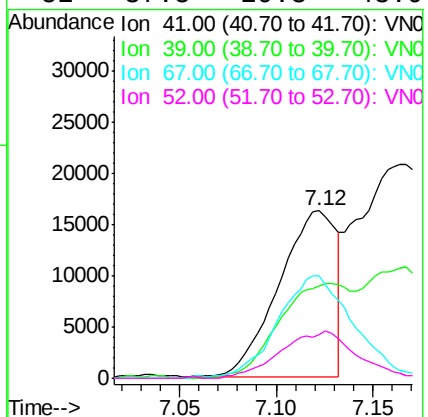
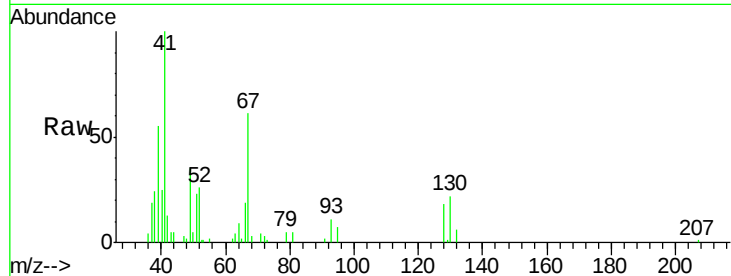
#41
Methacrylonitrile
Concen: 19.846 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.0	50.5	75.7	
67	82.1	63.2	94.8	
52	37.5	29.3	43.9	

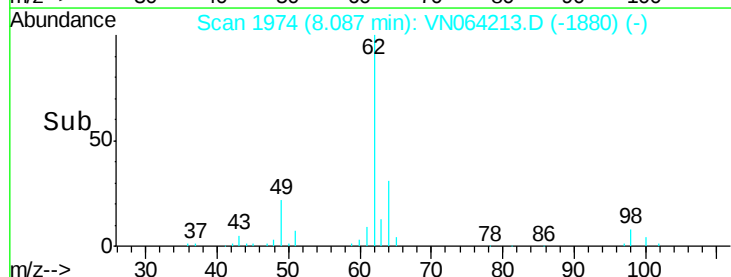
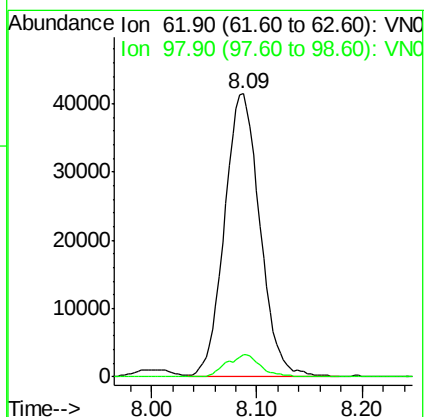
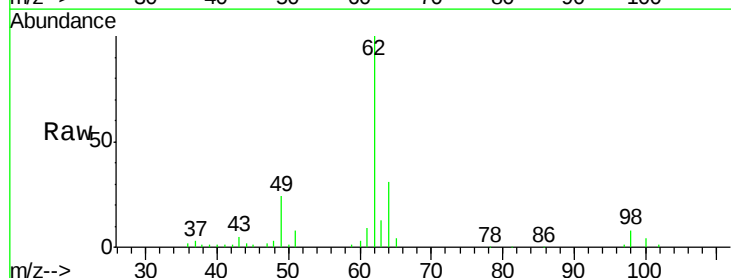
Manual Integrations
APPROVED

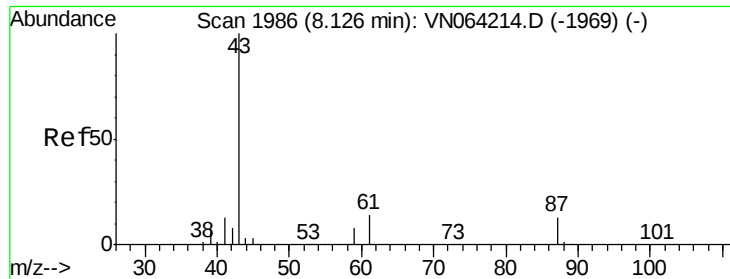
MMDadoda
10/22/2020 3:25:23 PM



#42
1,2-Dichloroethane
Concen: 20.507 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	0.0	15.0	





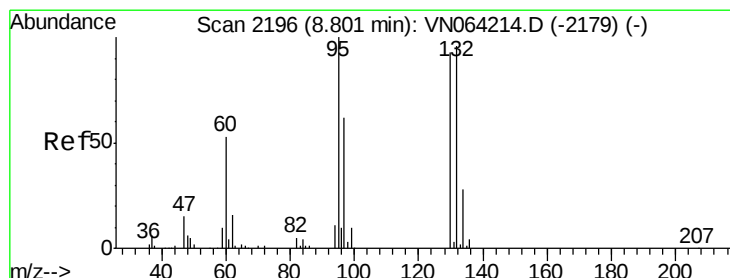
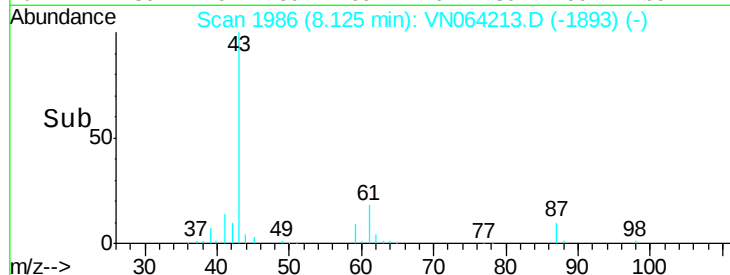
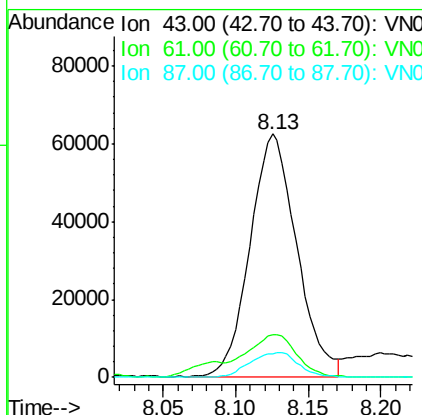
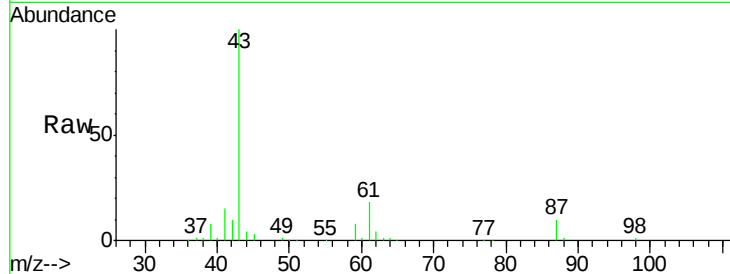
#43
Isopropyl Acetate
Concen: 21.329 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	19.6	29.4#
87	10.6	9.8	14.6

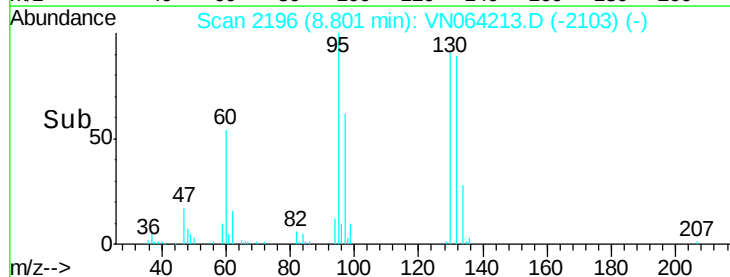
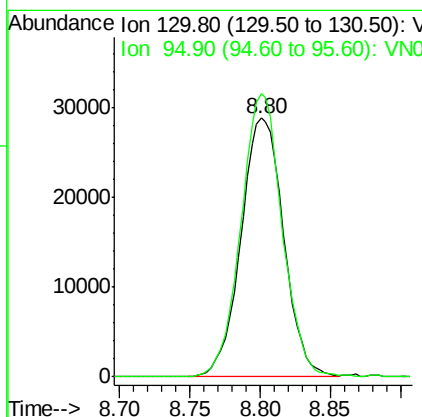
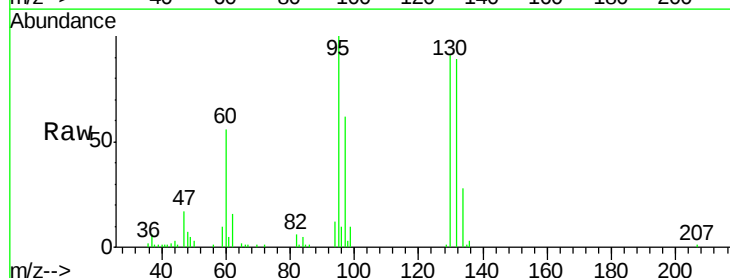
Manual Integrations
APPROVED

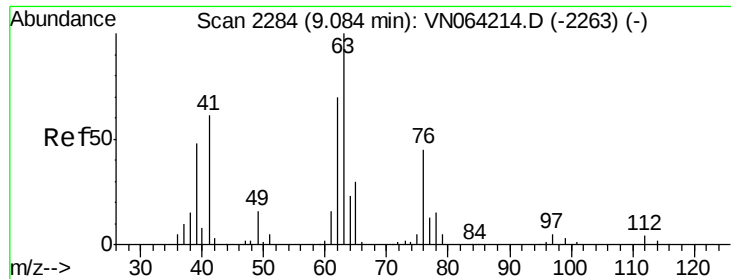
MMDadoda
10/22/2020 3:25:23 PM



#44
Trichloroethene
Concen: 17.924 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.5	0.0	214.0





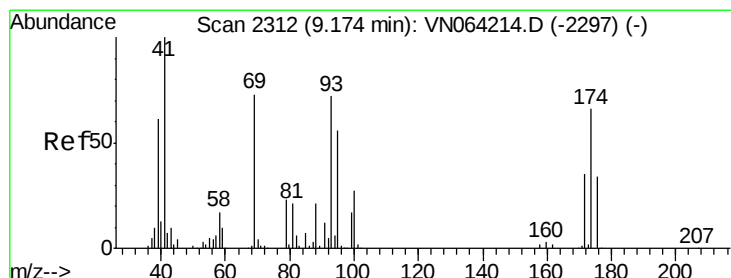
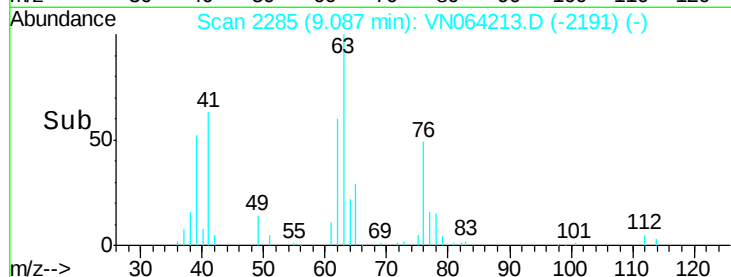
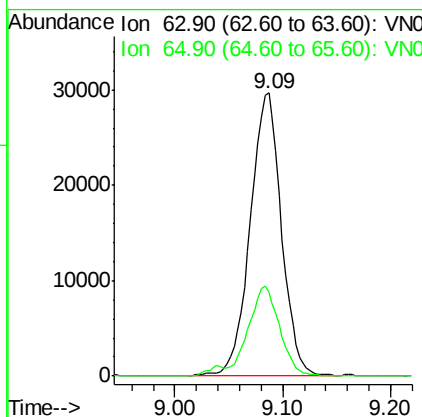
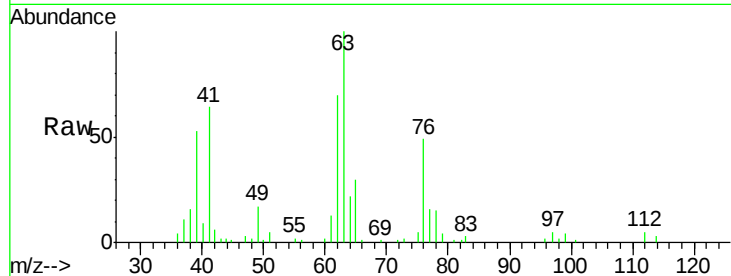
#45
 1,2-Dichloropropane
 Concen: 17.555 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 59778
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.0 36.0

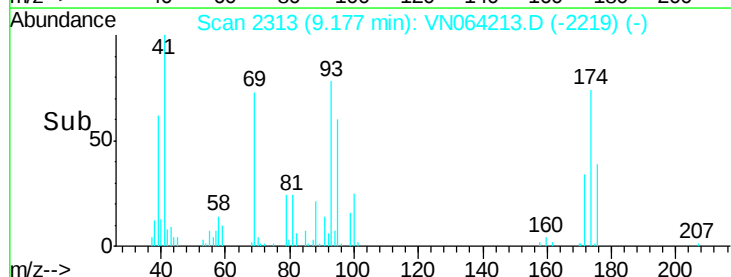
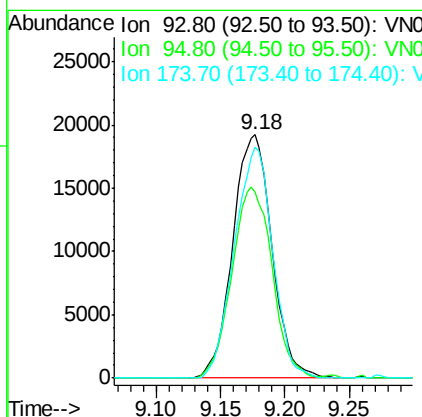
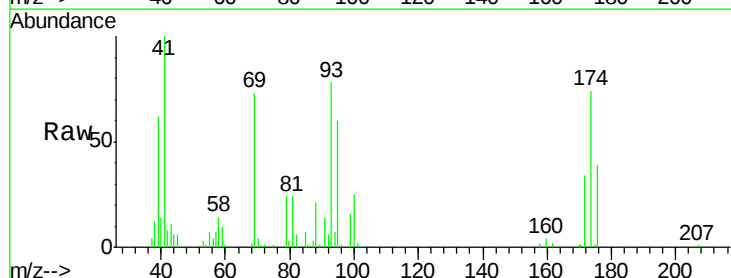
Manual Integrations
 APPROVED

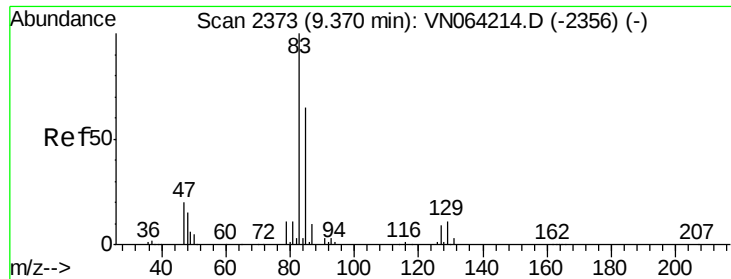
MMDadoda
 10/22/2020 3:25:23 PM



#46
 Dibromomethane
 Concen: 16.876 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion: 93 Resp: 40653
 Ion Ratio Lower Upper
 93 100
 95 80.6 63.0 94.4
 174 92.7 72.9 109.3





#47

Bromodichloromethane

Concen: 18.845 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

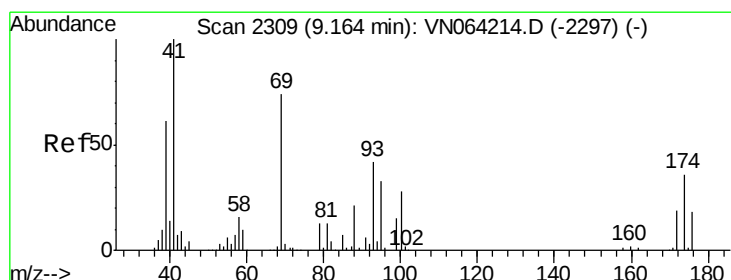
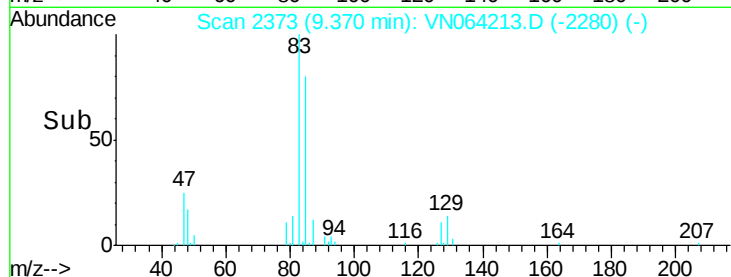
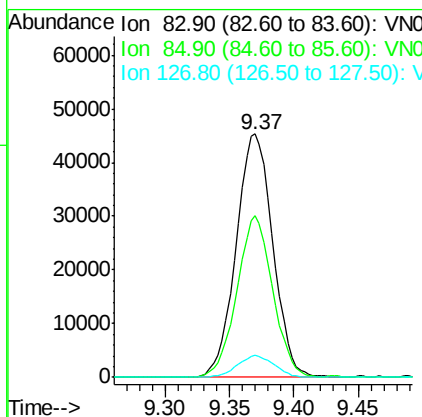
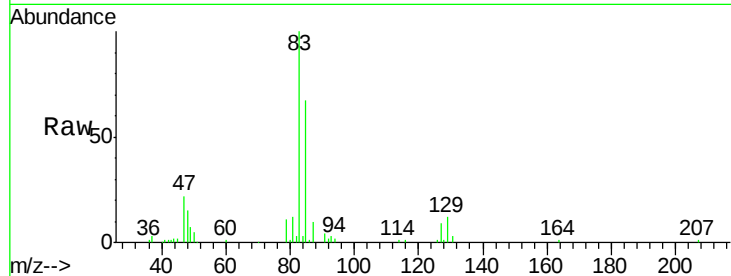
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	89764
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.8
127	9.2	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM



#48

Methyl methacrylate

Concen: 22.860 ug/l

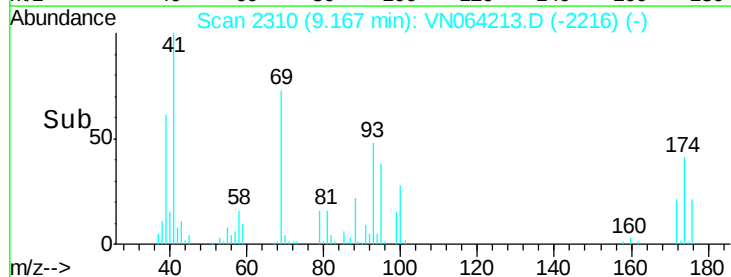
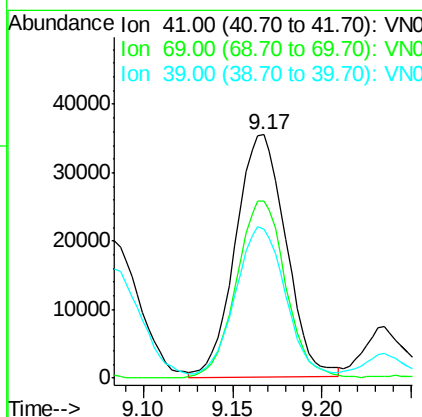
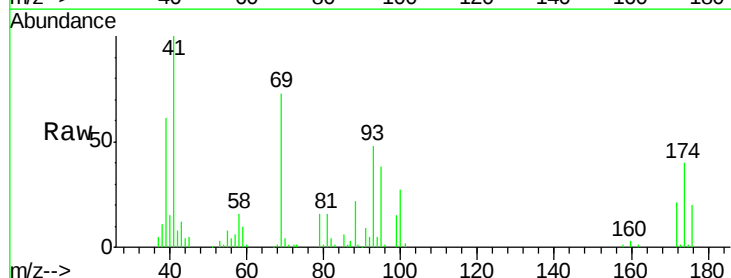
RT: 9.17 min Scan# 2310

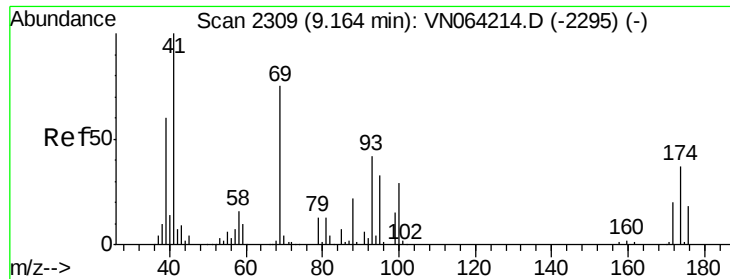
Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion:	41	Resp:	69910
Ion	Ratio	Lower	Upper
41	100		
69	71.4	57.3	85.9
39	61.6	48.6	73.0





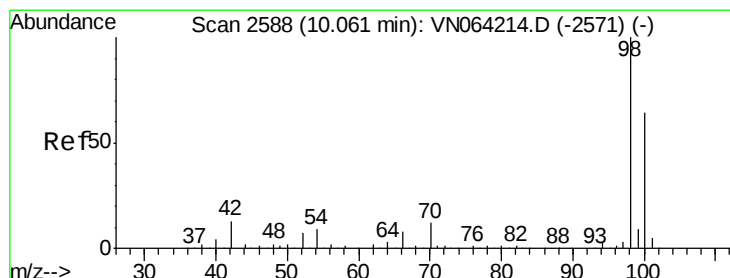
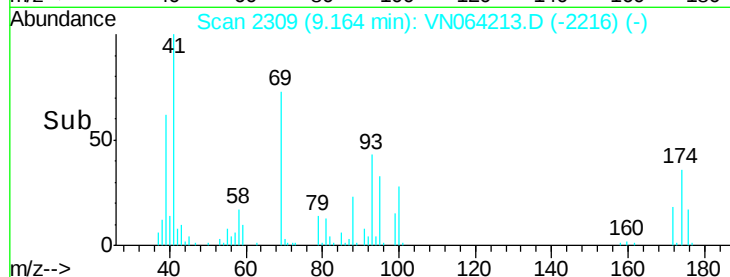
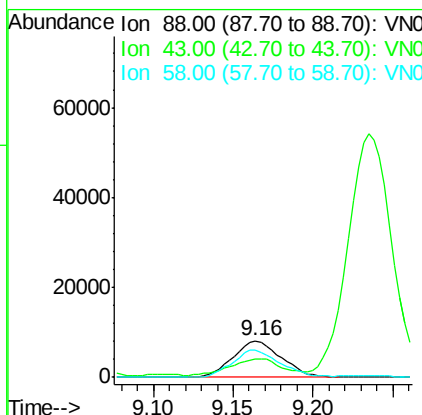
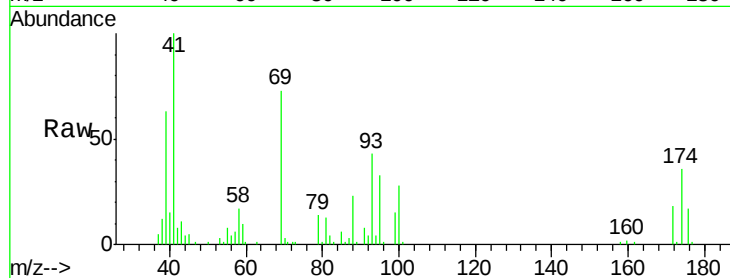
#49
1,4-Dioxane
Concen: 373.756 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.3	34.6	52.0
58	72.9	59.0	88.6

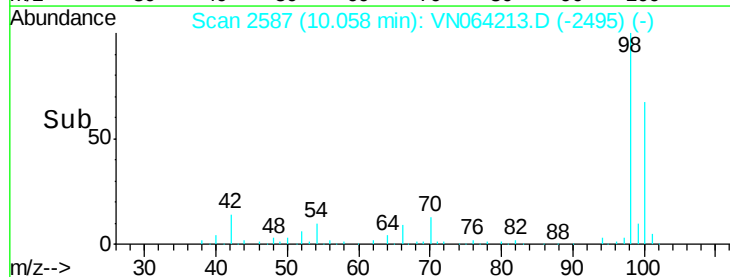
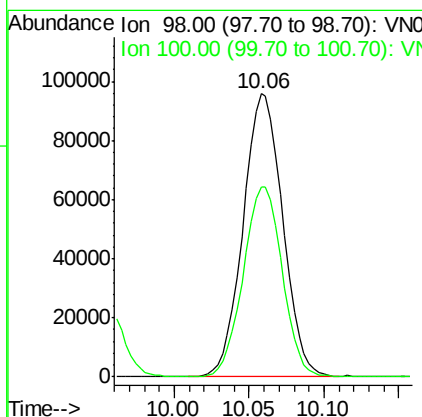
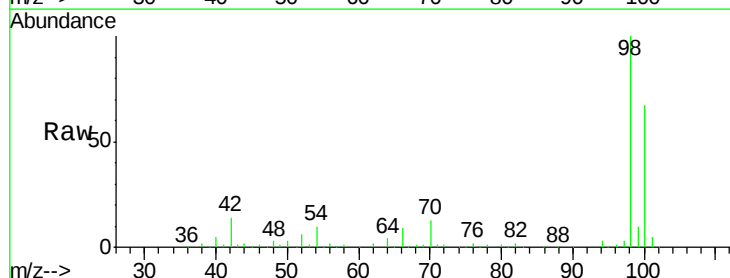
Manual Integrations
APPROVED

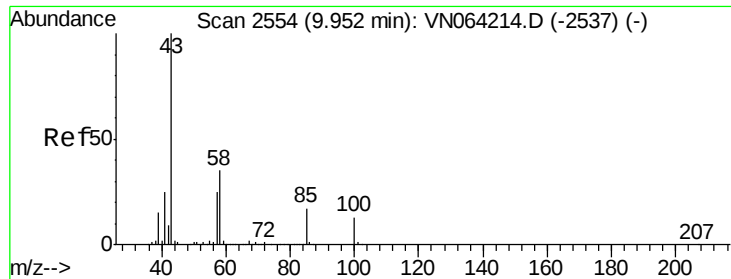
MMDadoda
10/22/2020 3:25:23 PM



#50
Toluene-d8
Concen: 15.296 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 97.573 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 369796

Ion Ratio Lower Upper

43 100

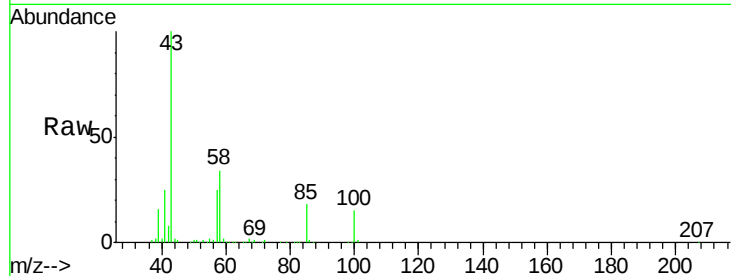
58 35.4 28.6 42.8

Manual Integrations

APPROVED

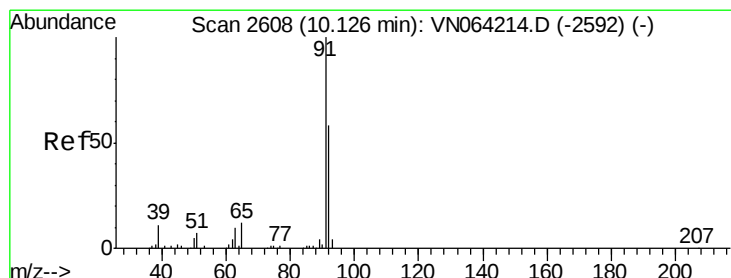
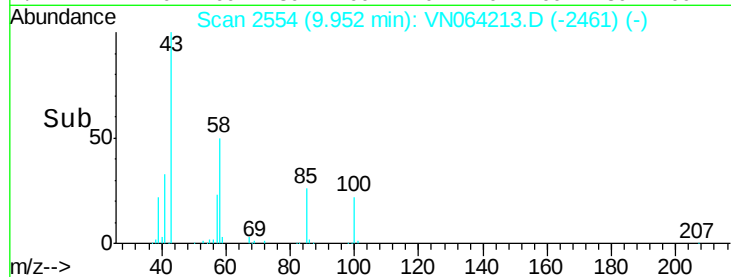
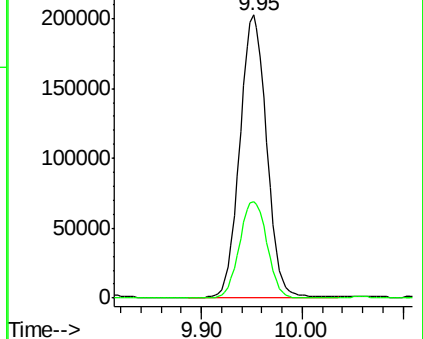
MMDadoda

10/22/2020 3:25:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.784 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064213.D

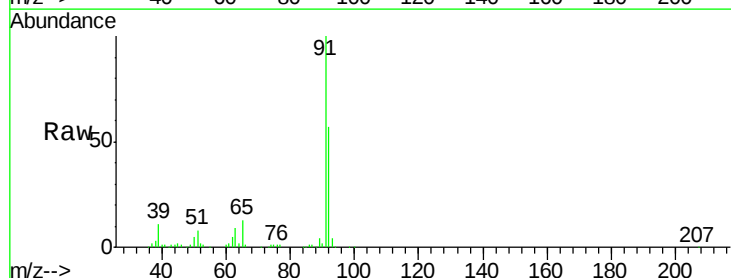
Acq: 21 Oct 2020 11:21

Tgt Ion: 92 Resp: 141021

Ion Ratio Lower Upper

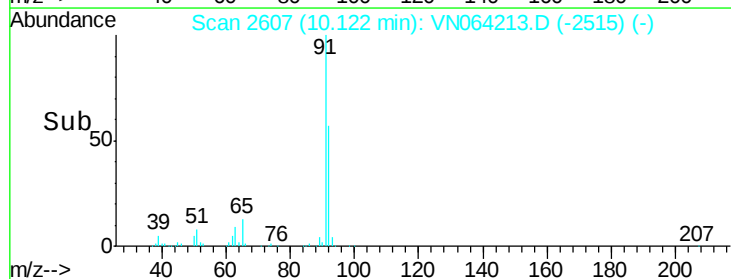
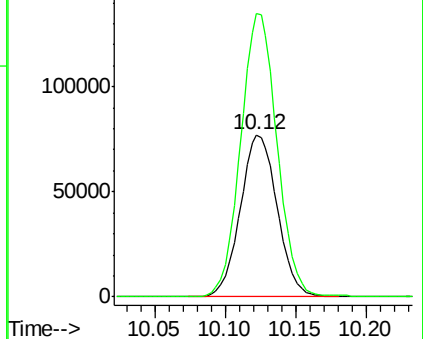
92 100

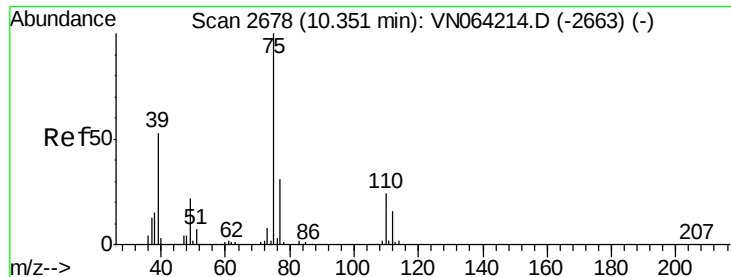
91 172.8 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





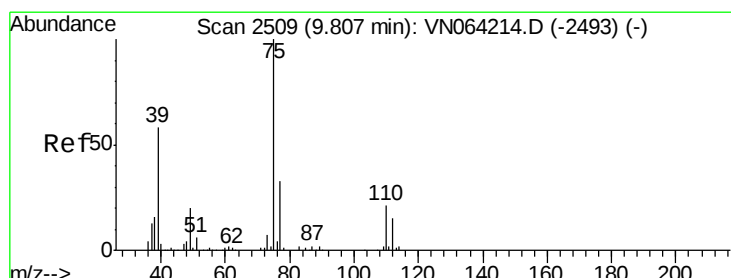
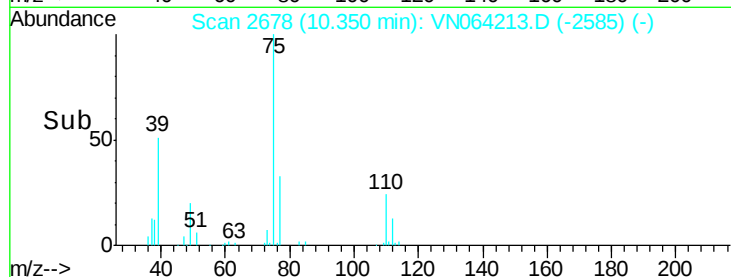
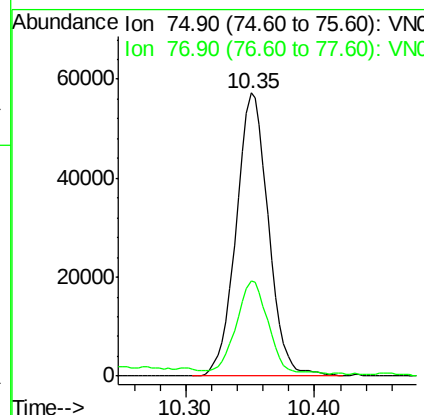
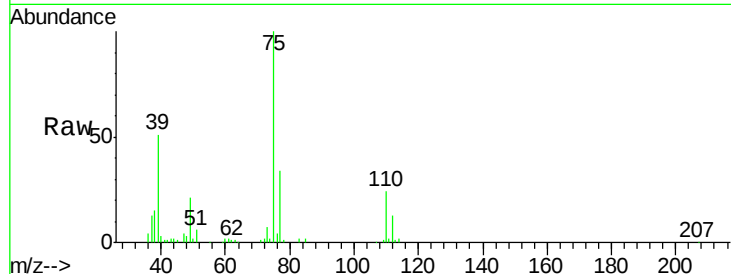
#53
t-1,3-Dichloropropene
Concen: 20.110 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	75	Resp	99475
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.4	38.2

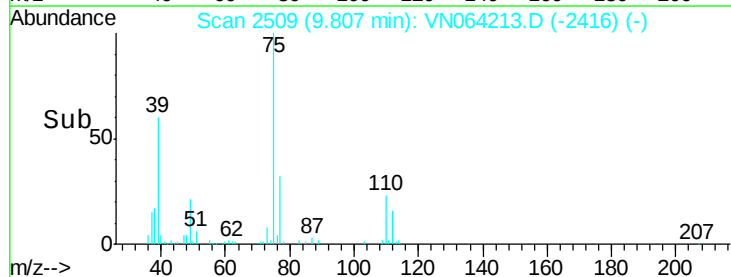
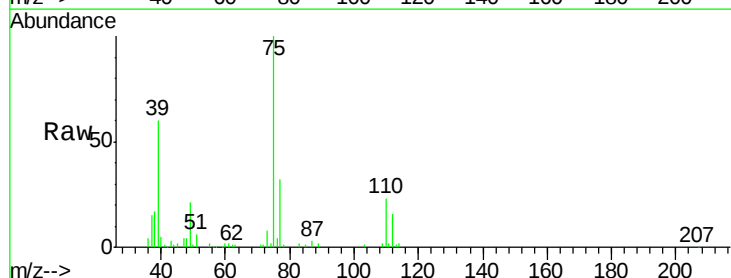
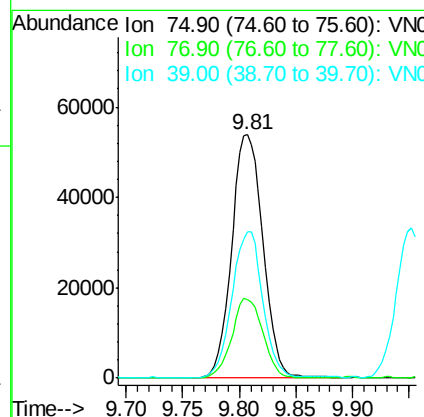
Manual Integrations
APPROVED

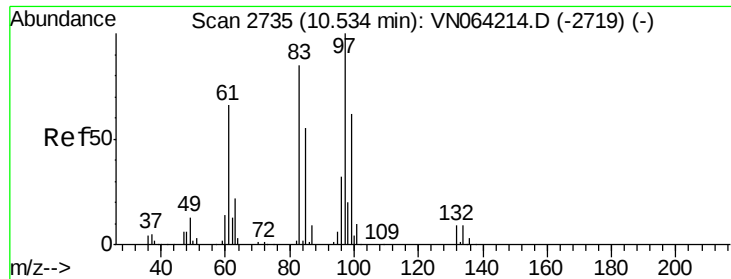
MMDadoda
10/22/2020 3:25:23 PM



#54
cis-1,3-Dichloropropene
Concen: 19.281 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	75	Resp	103992
Ion Ratio	Lower	Upper	
75	100		
77	32.2	26.6	39.8
39	59.9	46.7	70.1





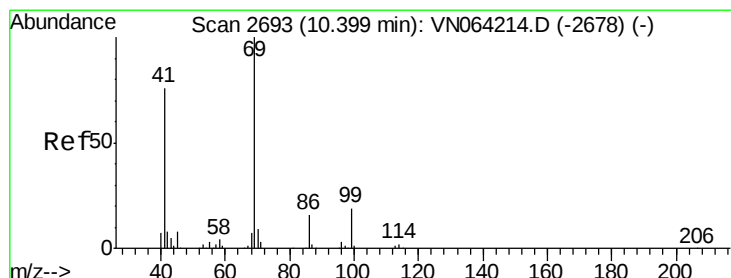
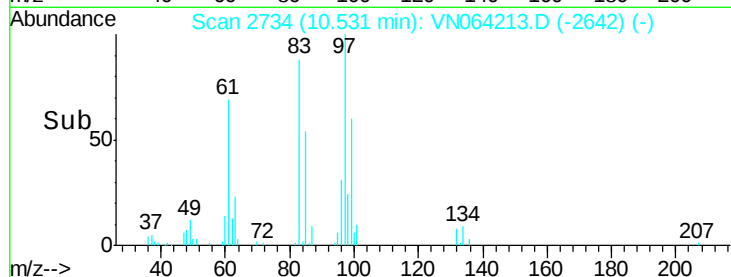
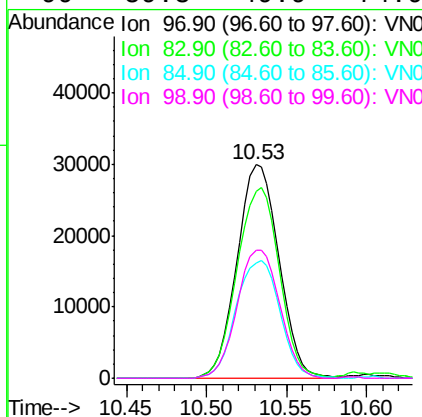
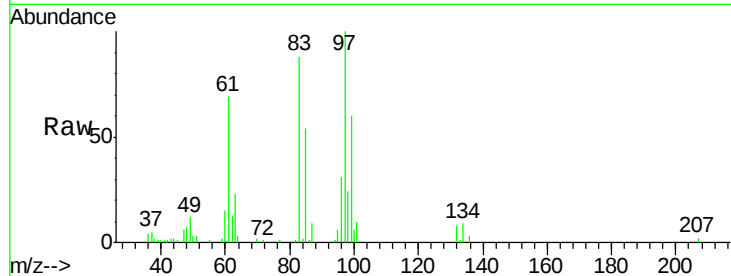
#55
 1,1,2-Trichloroethane
 Concen: 16.392 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	53604
Ion	Ratio	Lower	Upper
97	100		
83	87.7	67.8	101.6
85	53.7	43.6	65.4
99	59.8	49.9	74.9

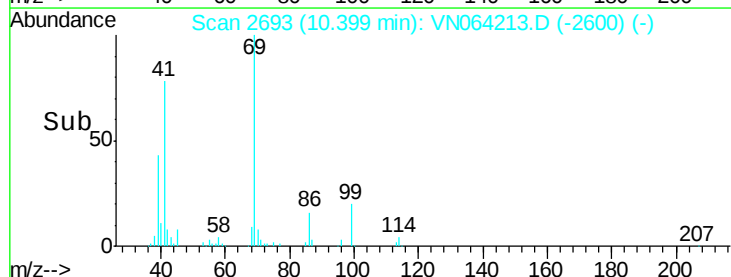
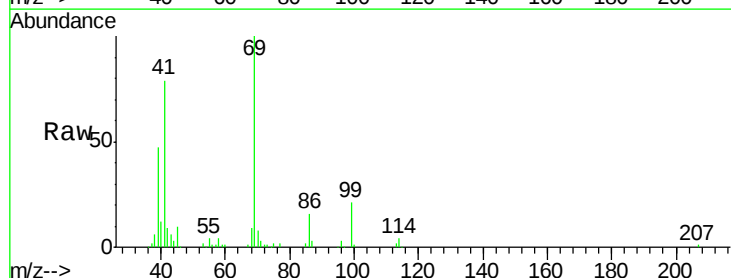
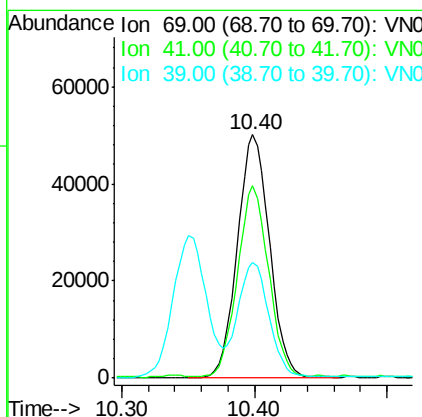
Manual Integrations
 APPROVED

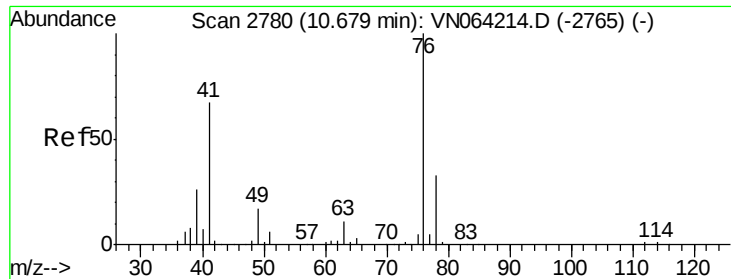
MMDadoda
 10/22/2020 3:25:23 PM



#56
 Ethyl methacrylate
 Concen: 19.965 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion:	69	Resp:	84789
Ion	Ratio	Lower	Upper
69	100		
41	75.3	61.4	92.2
39	45.1	36.0	54.0





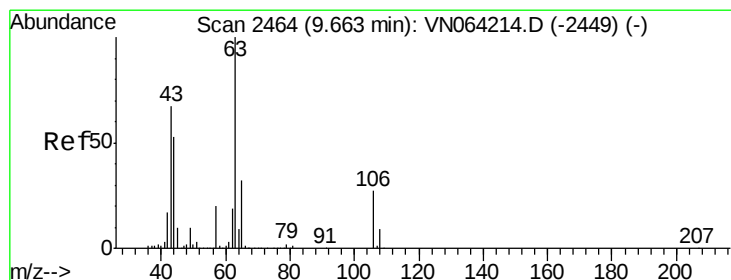
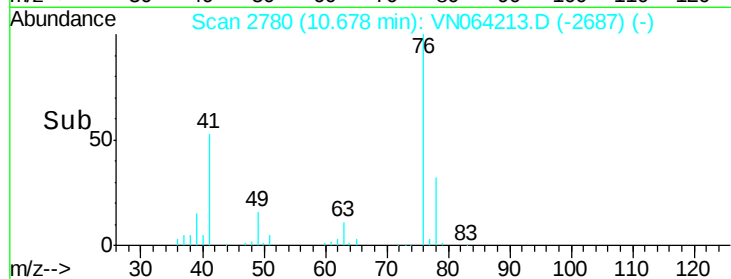
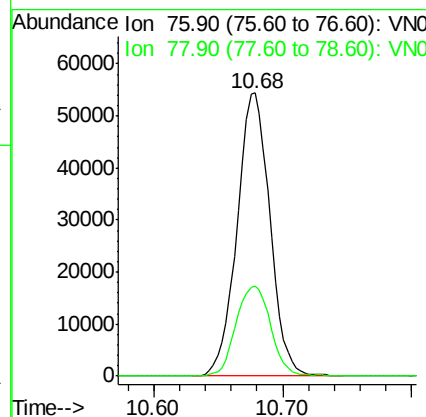
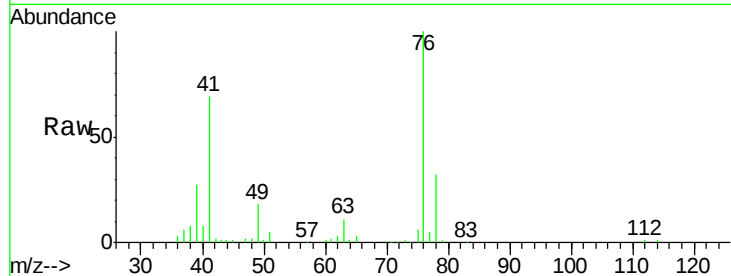
#57
 1,3-Dichloropropane
 Concen: 17.771 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.2	39.2

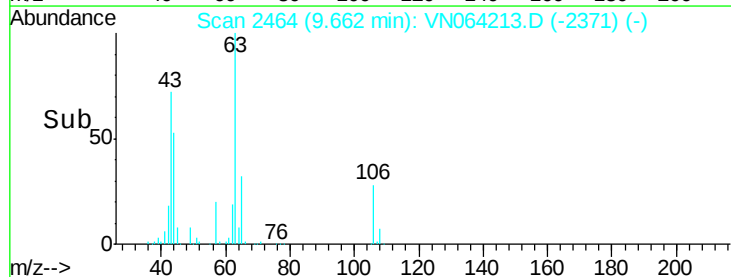
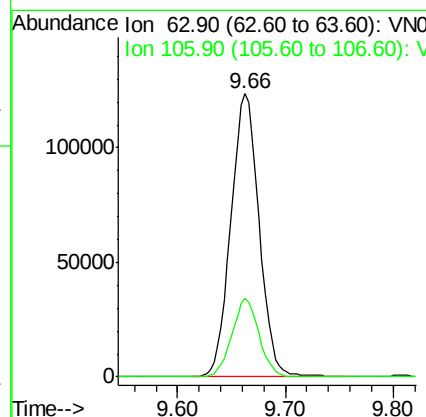
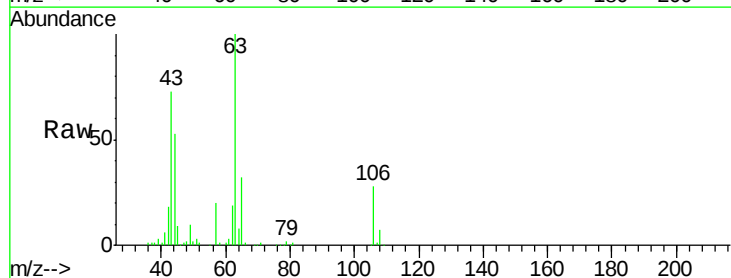
Manual Integrations
 APPROVED

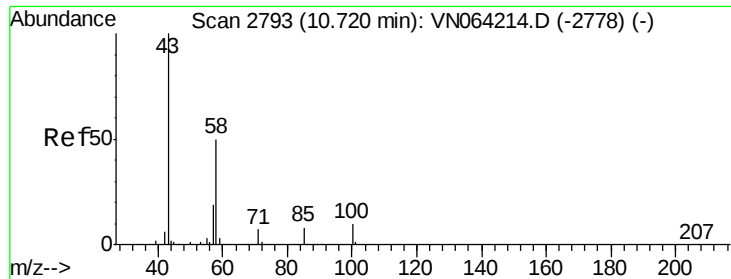
MMDadoda
 10/22/2020 3:25:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.129 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.3	31.9





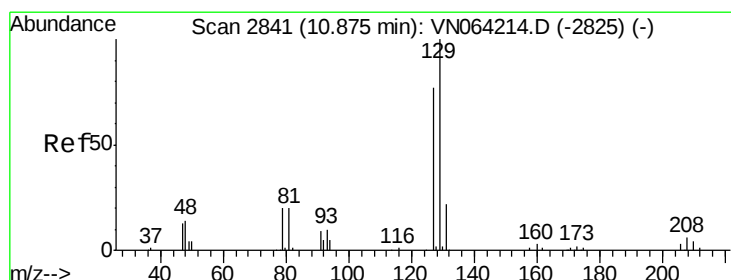
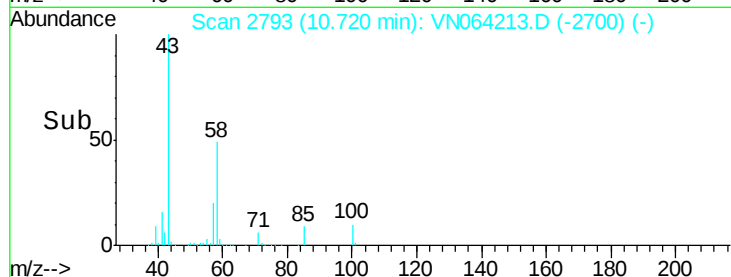
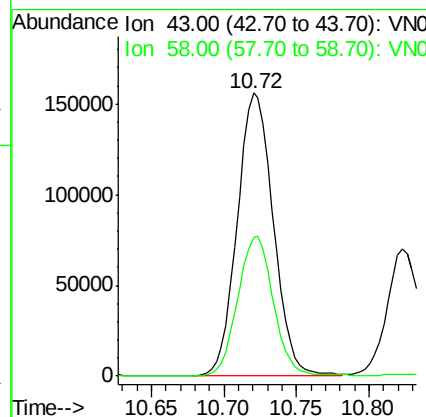
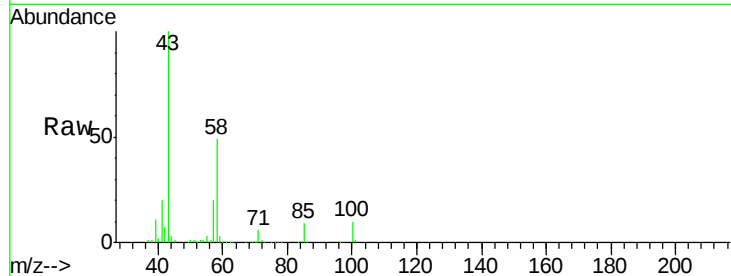
#59
2-Hexanone
Concen: 99.997 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	266927
Ion Ratio	100	Lower	Upper
43	100		
58	49.6	24.8	74.3

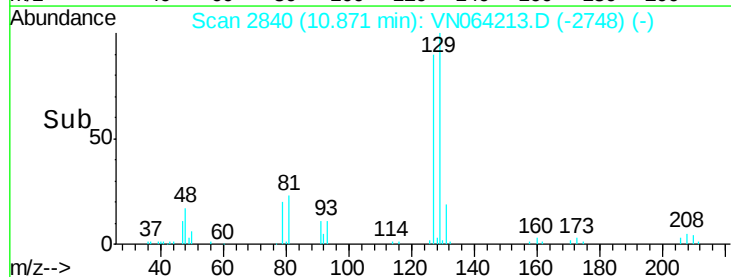
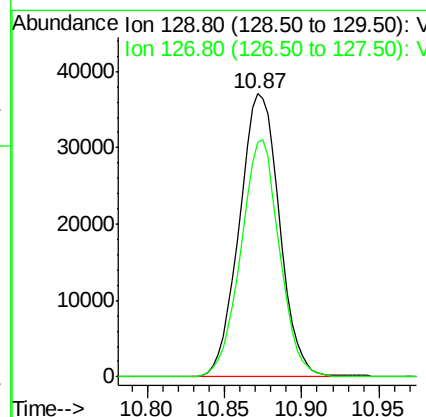
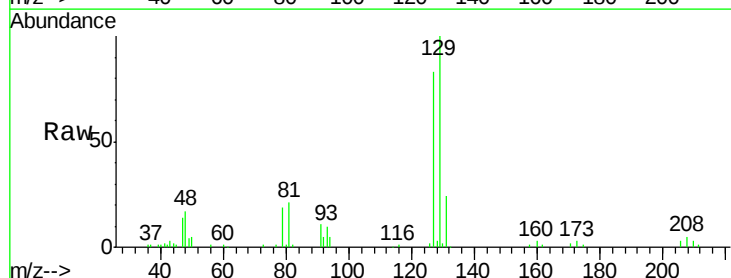
Manual Integrations
APPROVED

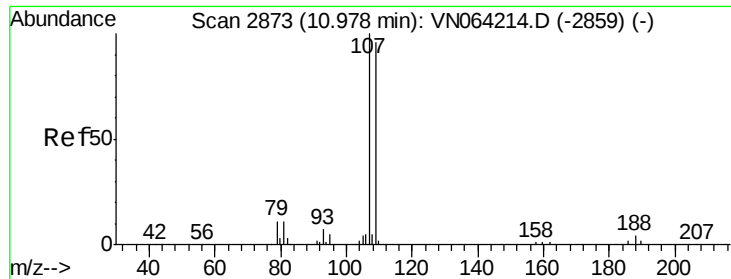
MMDadoda
10/22/2020 3:25:23 PM



#60
Dibromochloromethane
Concen: 17.988 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	129	Resp	66993
Ion Ratio	100	Lower	Upper
129	100		
127	80.4	38.8	116.3





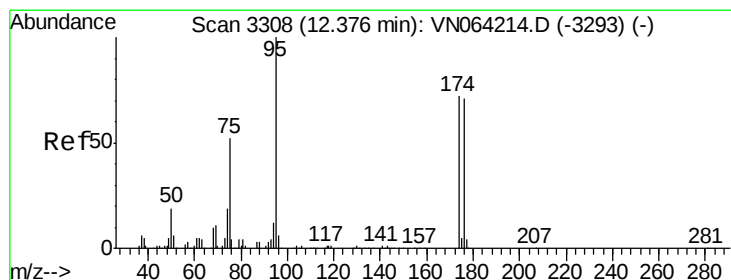
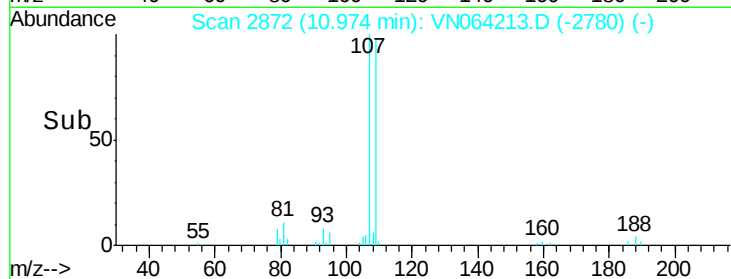
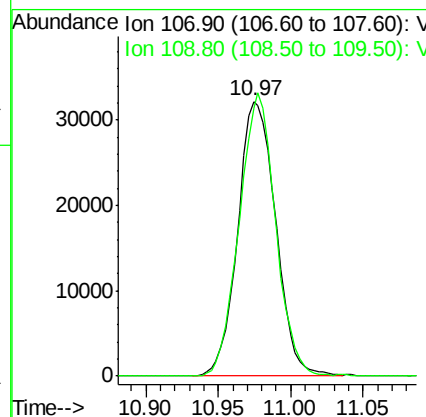
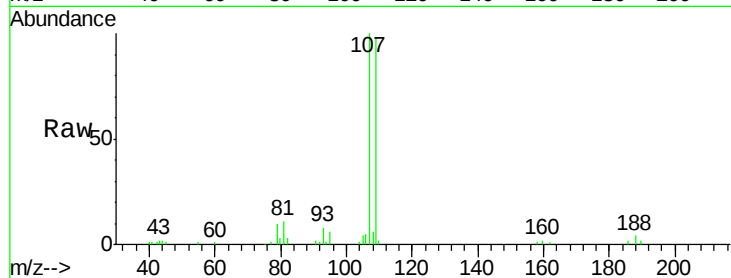
#61
 1,2-Dibromoethane
 Concen: 17.575 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 58502
 Ion Ratio Lower Upper
 107 100
 109 98.8 76.2 114.4

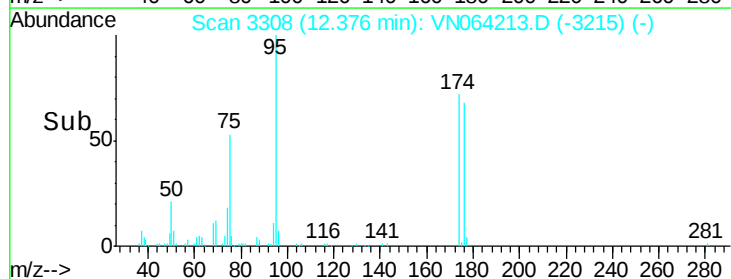
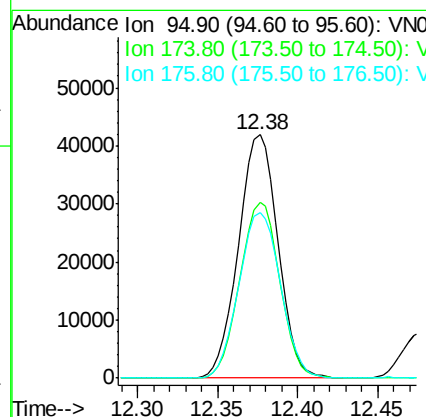
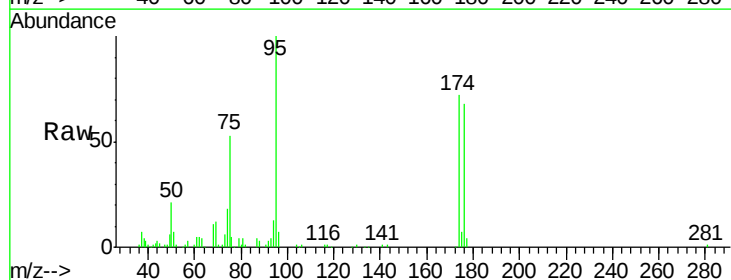
Manual Integrations
 APPROVED

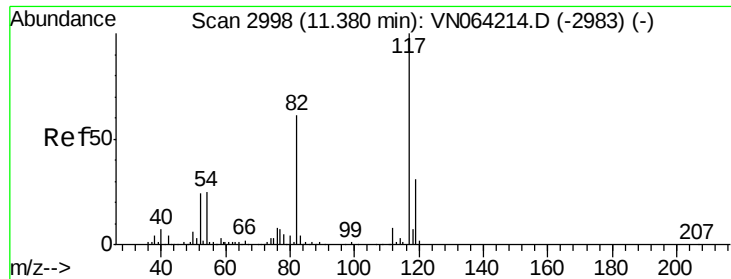
MMDadoda
 10/22/2020 3:25:23 PM



#62
 4-Bromofluorobenzene
 Concen: 17.247 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion: 95 Resp: 70524
 Ion Ratio Lower Upper
 95 100
 174 72.9 0.0 144.4
 176 71.8 0.0 139.2





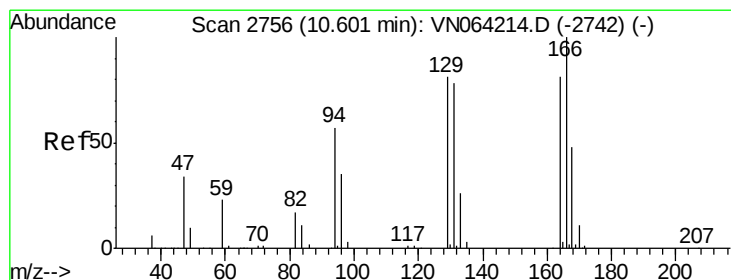
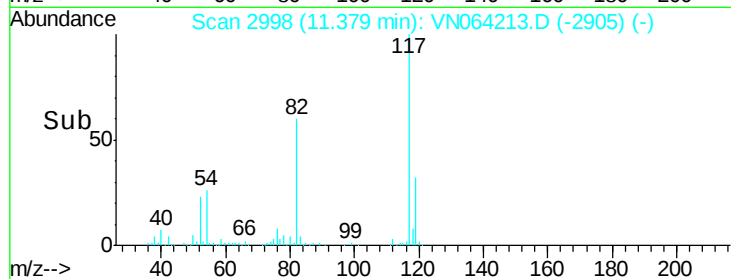
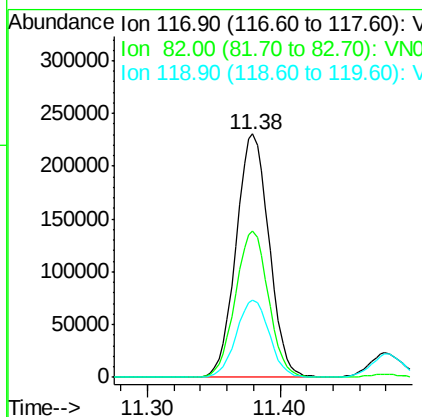
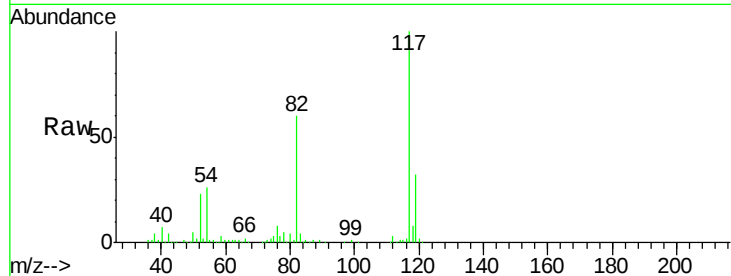
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	398615		
82	60.4	48.8	73.2	
119	31.7	24.7	37.1	

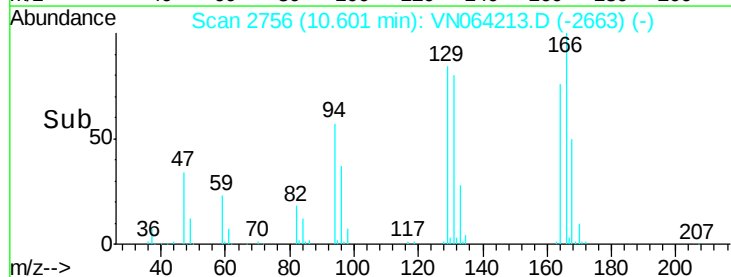
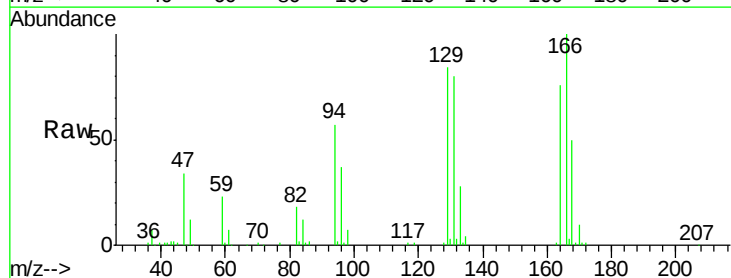
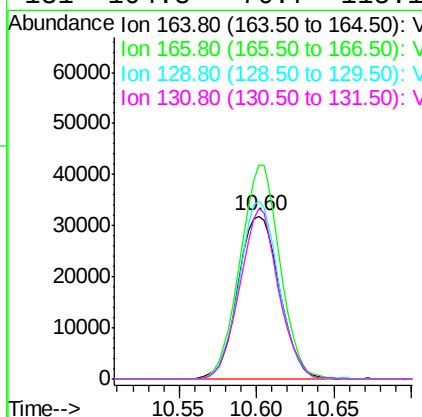
Manual Integrations
APPROVED

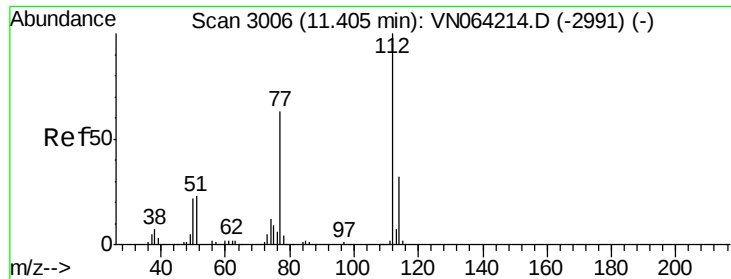
MMDadoda
10/22/2020 3:25:23 PM



#64
Tetrachloroethene
Concen: 19.576 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59494		
166	130.8	98.9	148.3	
129	109.4	79.9	119.9	
131	104.8	76.7	115.1	





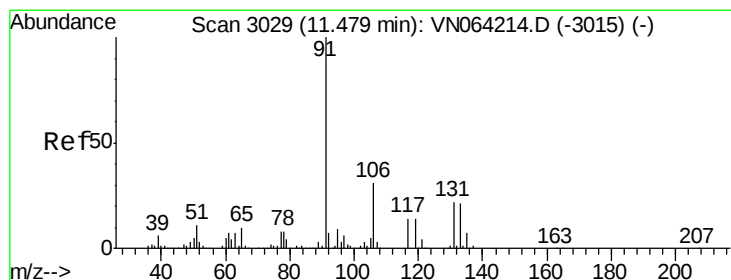
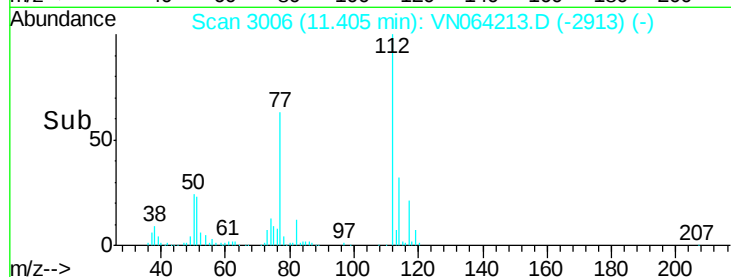
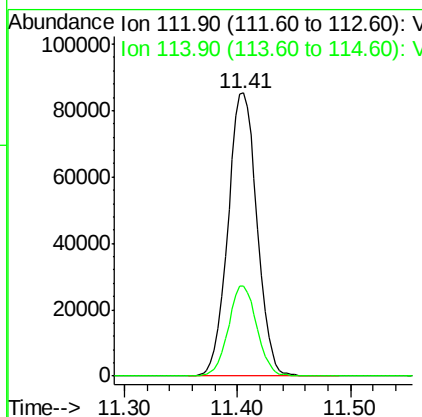
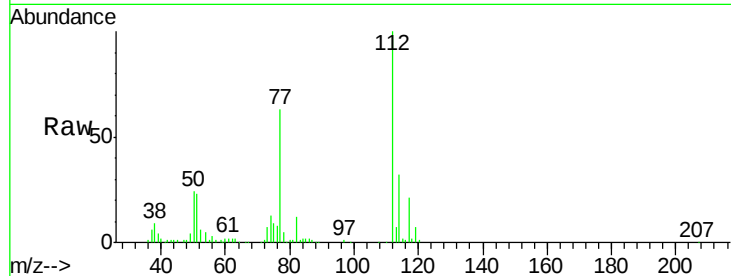
#65
Chlorobenzene
Concen: 18.116 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 152353
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

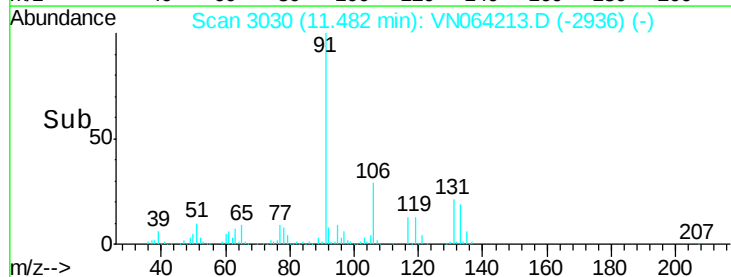
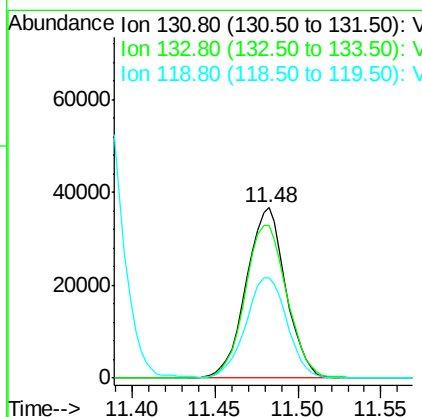
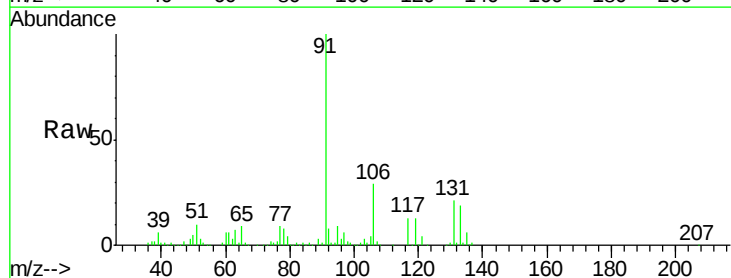
Manual Integrations
APPROVED

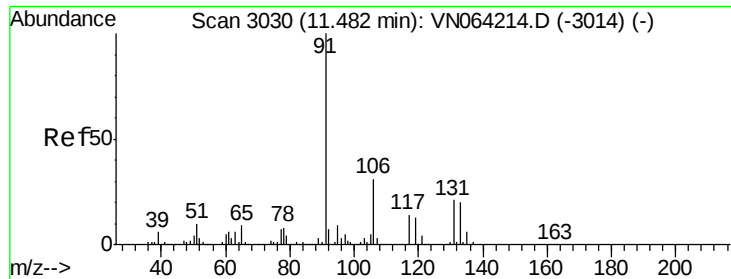
MMDadoda
10/22/2020 3:25:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.931 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion:131 Resp: 60867
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.4
119 61.6 32.2 96.6





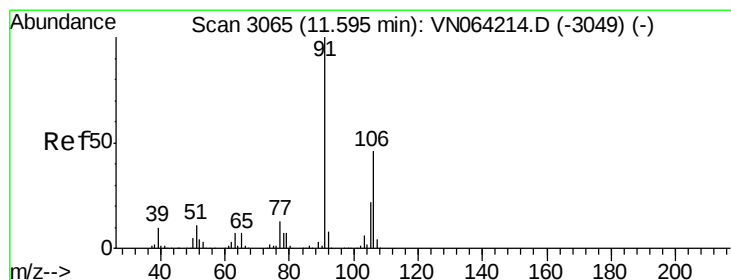
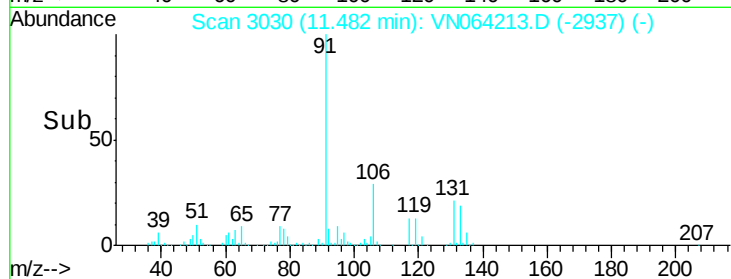
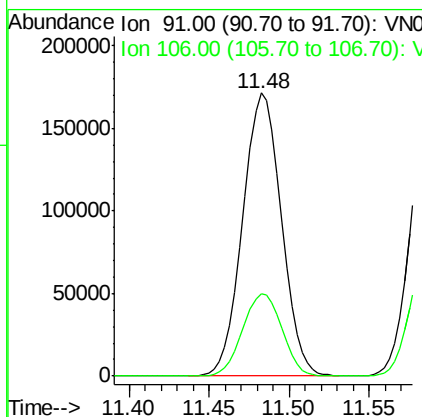
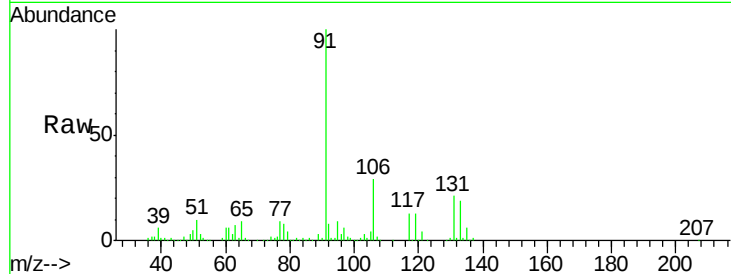
#67
Ethyl Benzene
Concen: 19.865 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.8	37.2

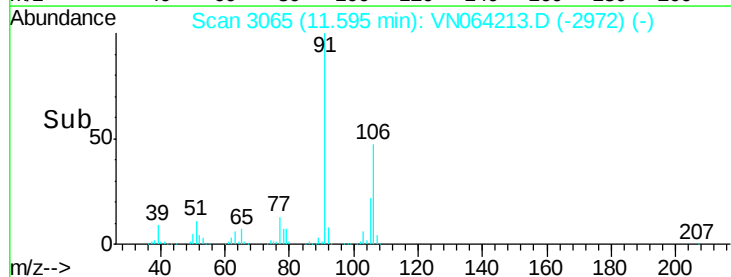
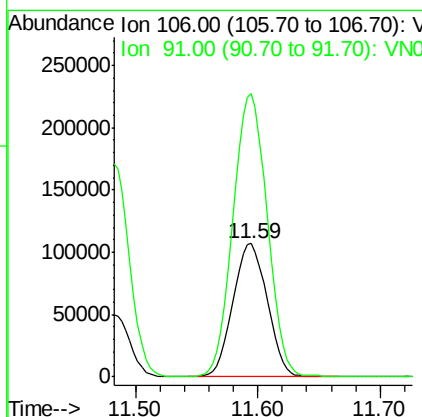
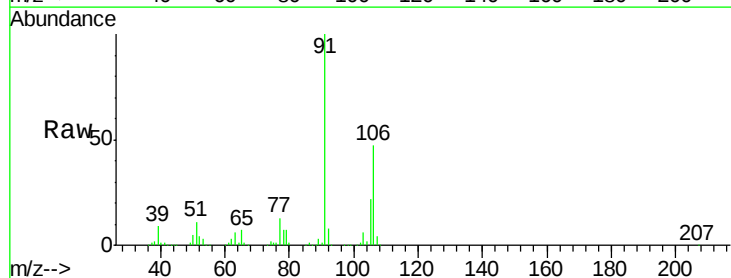
Manual Integrations
APPROVED

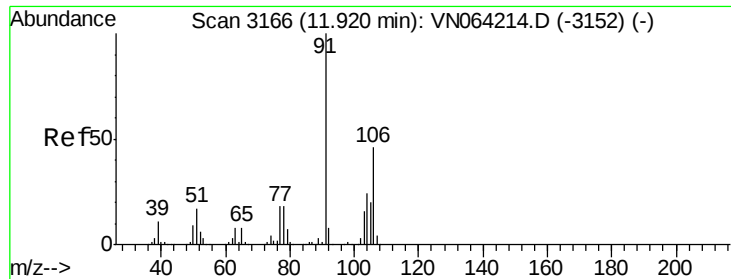
MMDadoda
10/22/2020 3:25:23 PM



#68
m/p-Xylenes
Concen: 39.656 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.9	172.2	258.2





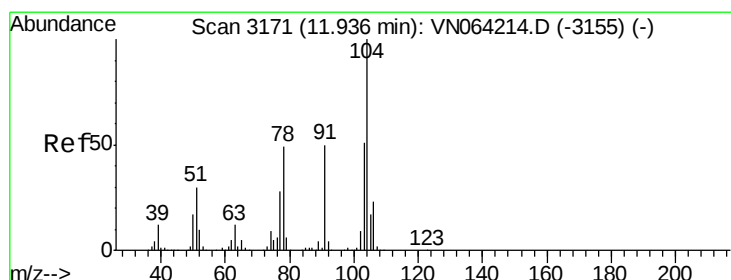
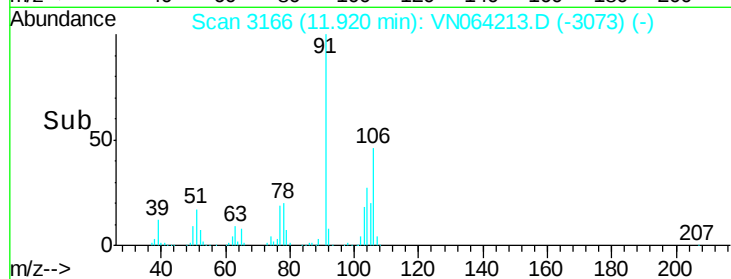
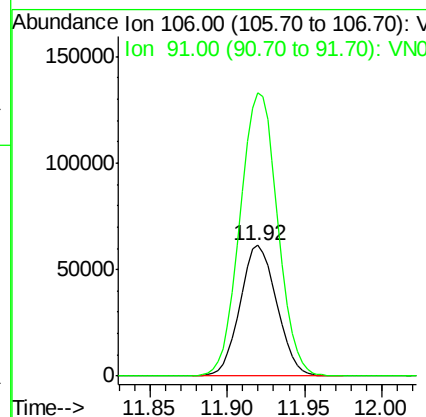
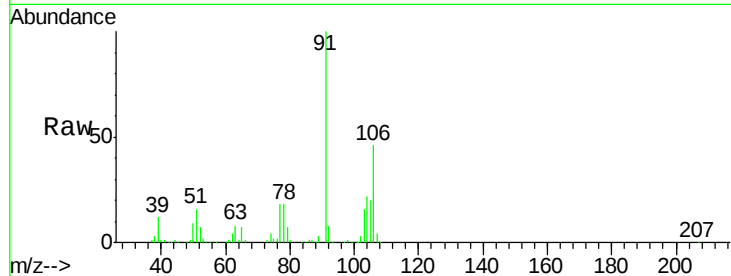
#69
o-Xylene
Concen: 20.033 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.9	109.9	329.6

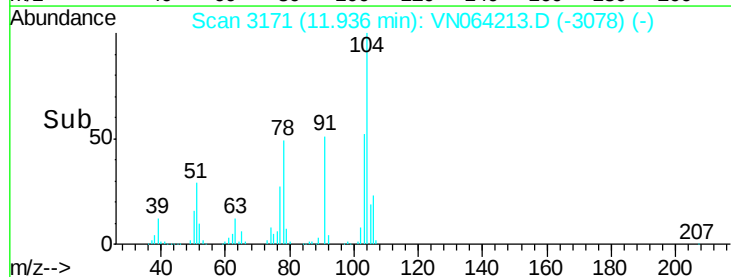
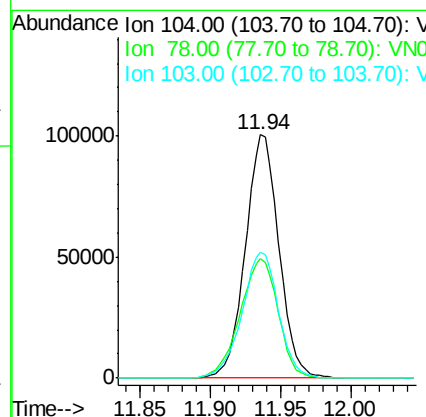
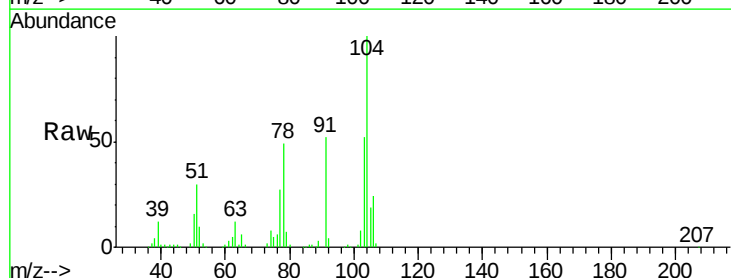
Manual Integrations
APPROVED

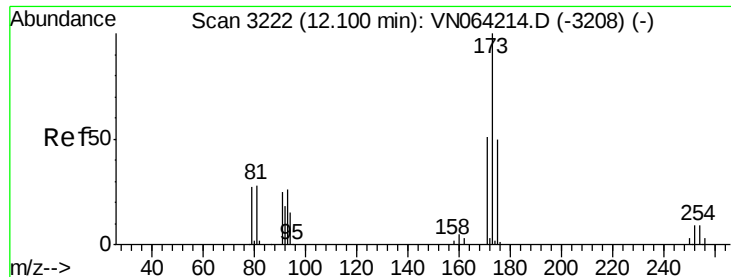
MMDadoda
10/22/2020 3:25:23 PM



#70
Styrene
Concen: 19.894 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.3	43.8	65.6
103	56.4	43.4	65.2





#71

Bromoform

Concen: 19.852 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 47756

Ion Ratio Lower Upper

173 100

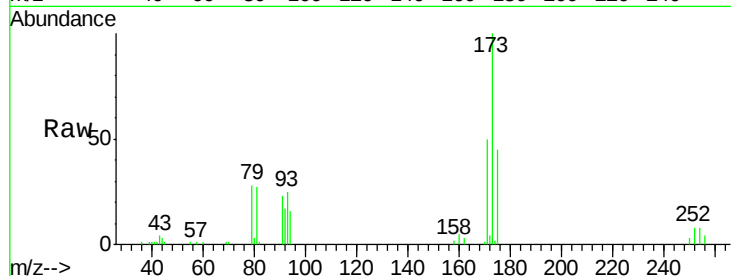
175 48.3 25.1 75.3

254 0.0 0.0 0.0

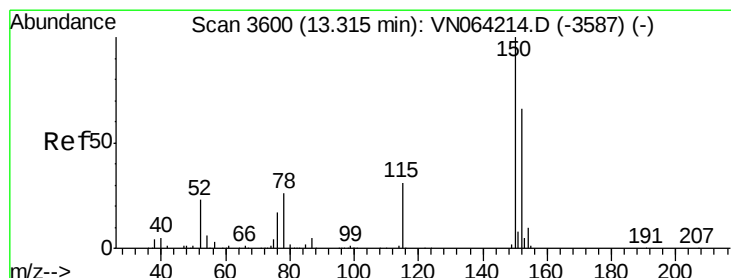
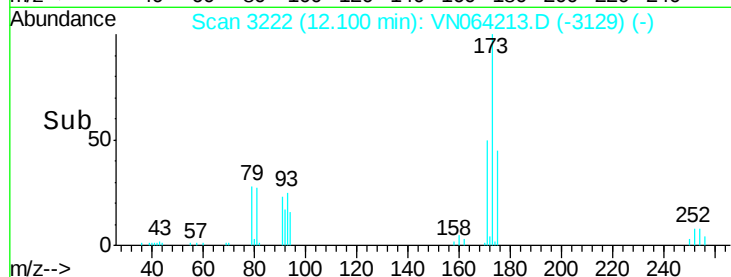
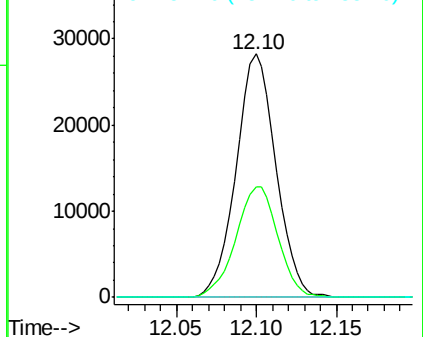
Manual Integrations
APPROVED

MMDadoda

10/22/2020 3:25:23 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.31 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

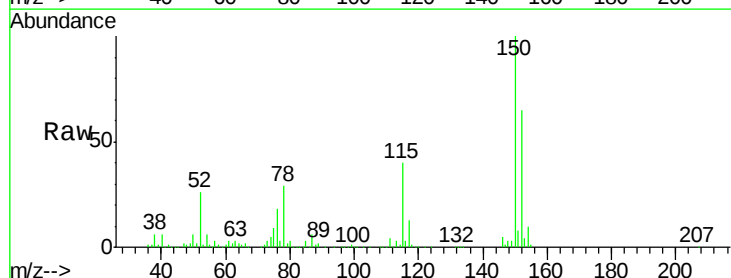
Tgt Ion:152 Resp: 189861

Ion Ratio Lower Upper

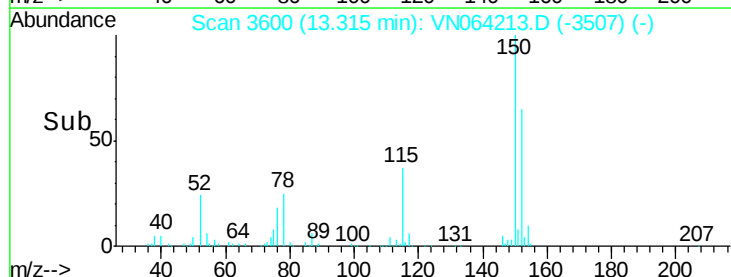
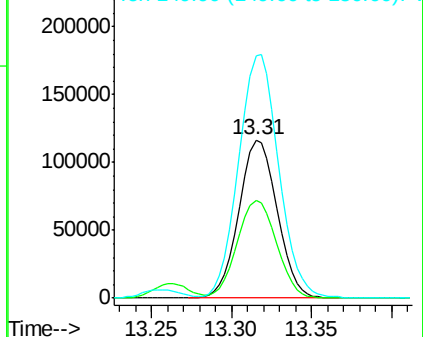
152 100

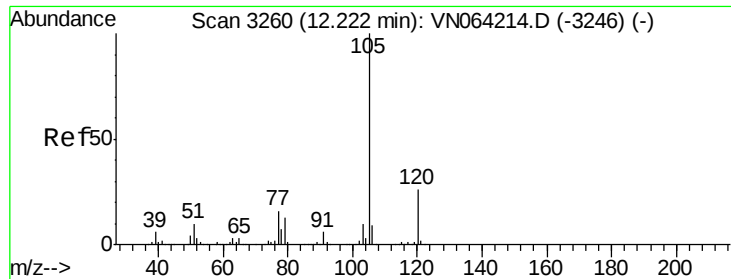
115 63.9 32.0 96.2

150 161.1 0.0 356.6



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





#73

Isopropylbenzene

Concen: 19.184 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 267756

Ion Ratio Lower Upper

105 100

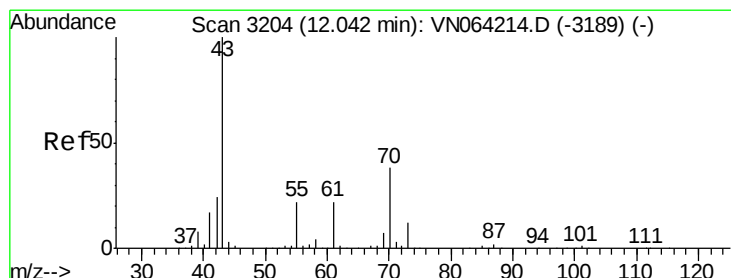
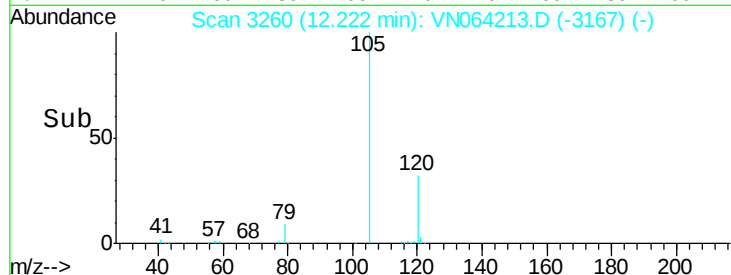
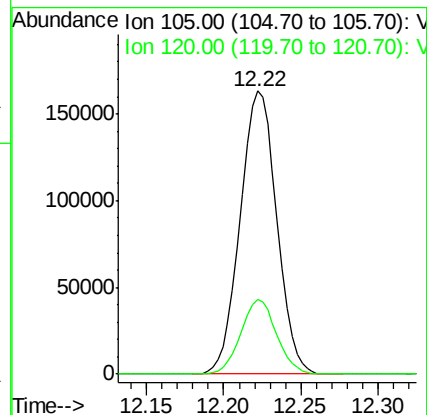
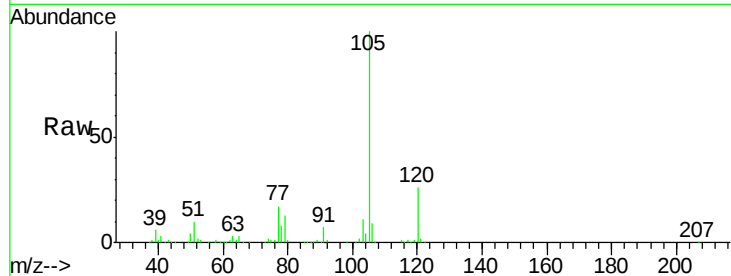
120 25.7 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:23 PM



#74

N-ethyl acetate

Concen: 22.004 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion: 43 Resp: 118611

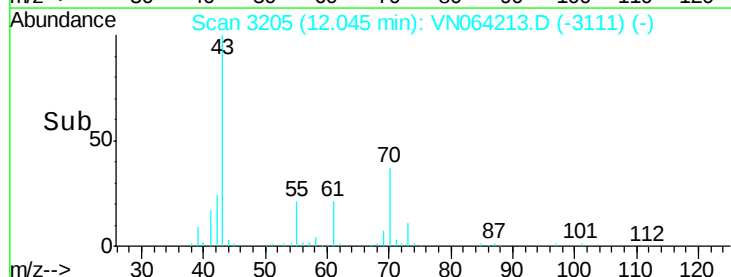
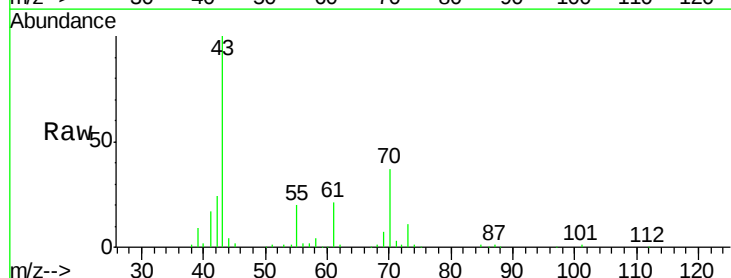
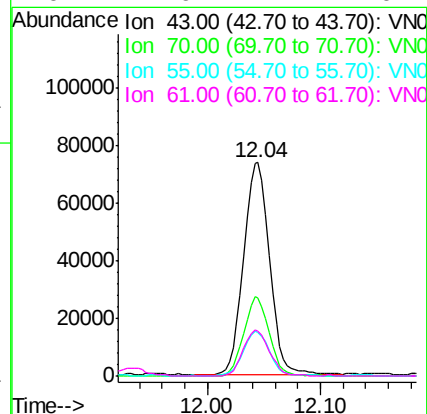
Ion Ratio Lower Upper

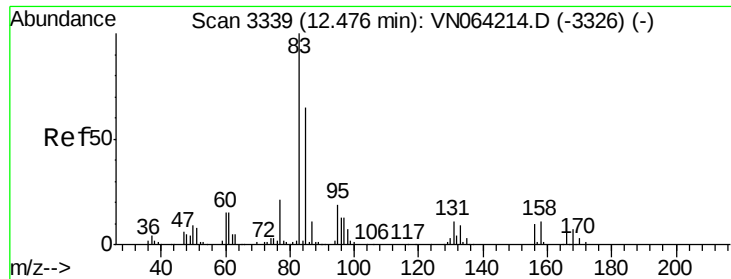
43 100

70 35.9 30.2 45.4

55 20.7 18.0 27.0

61 21.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 15.370 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

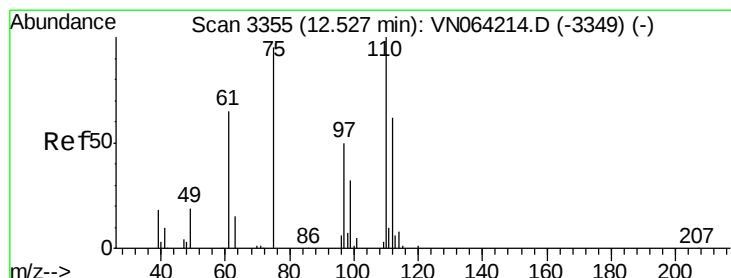
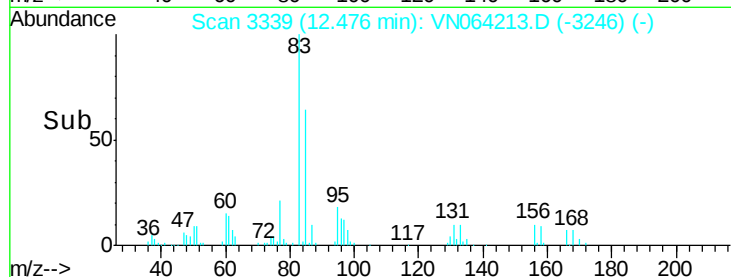
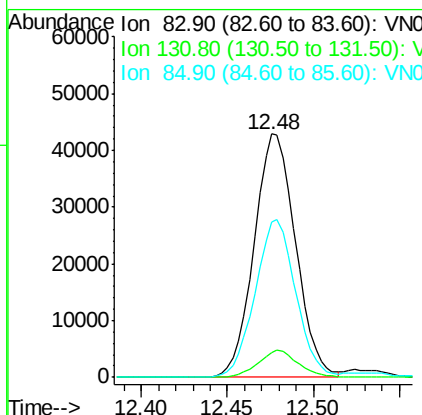
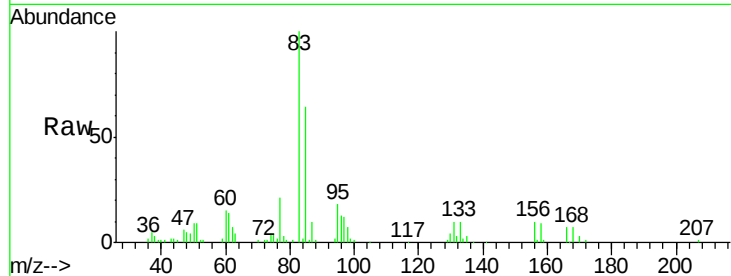
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	71753
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.7
85	63.3	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM



#76

1,2,3-Trichloropropane

Concen: 17.047 ug/l m

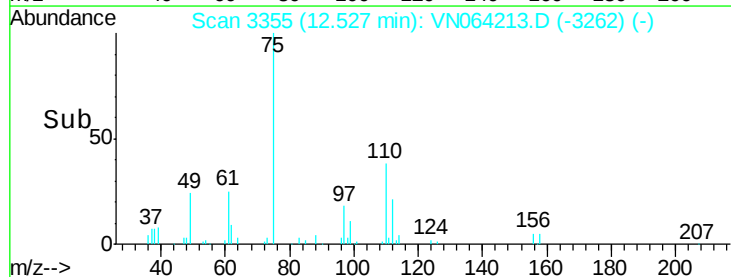
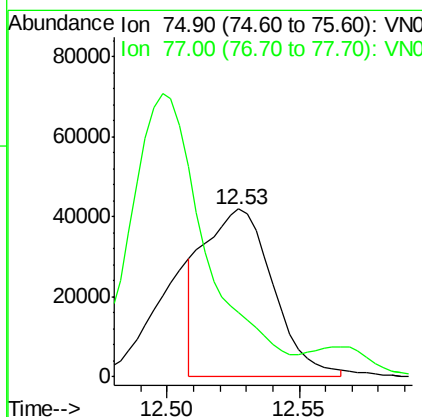
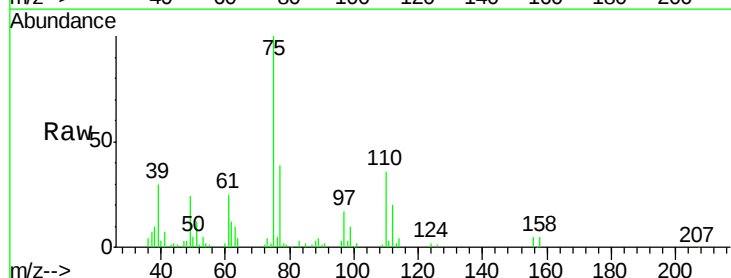
RT: 12.53 min Scan# 3355

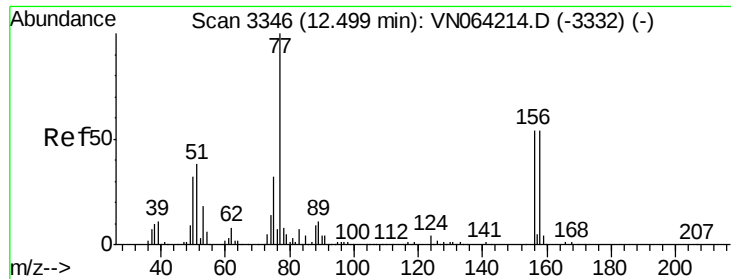
Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion:	75	Resp:	76954
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.241 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

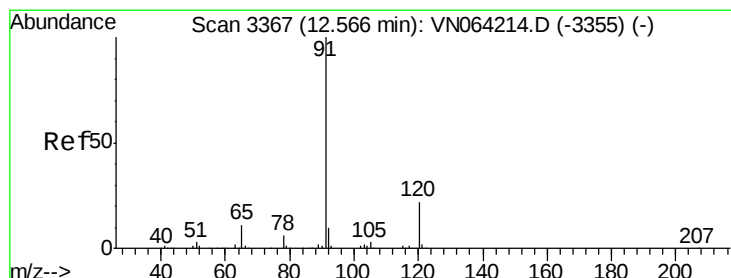
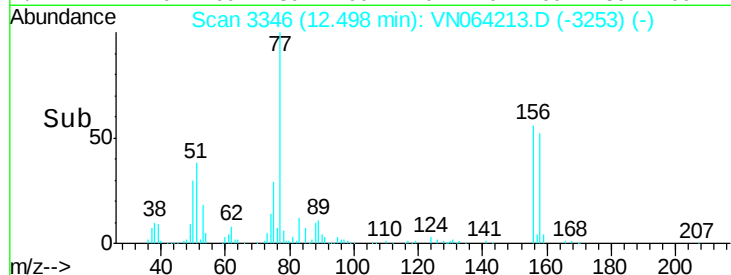
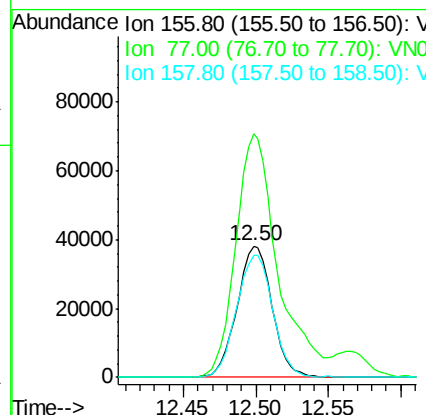
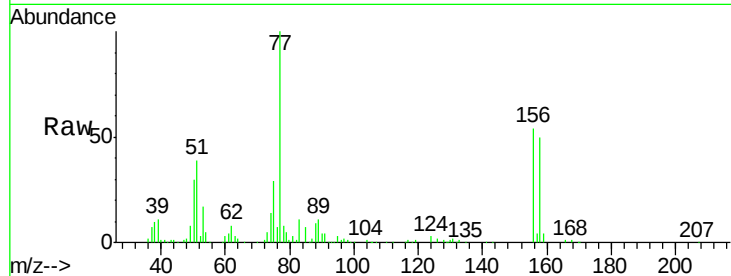
ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 64057
 Ion Ratio Lower Upper
 156 100
 77 222.5 111.1 333.4
 158 95.9 50.0 150.1

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:23 PM



#78

n-propylbenzene

Concen: 19.356 ug/l

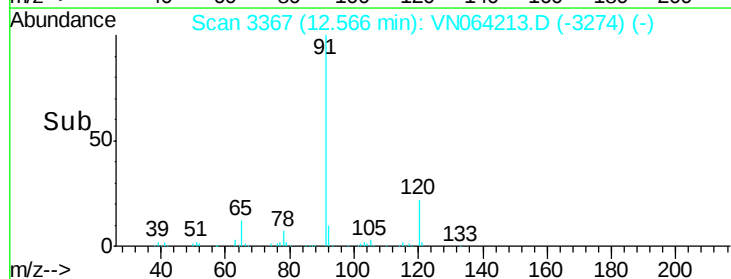
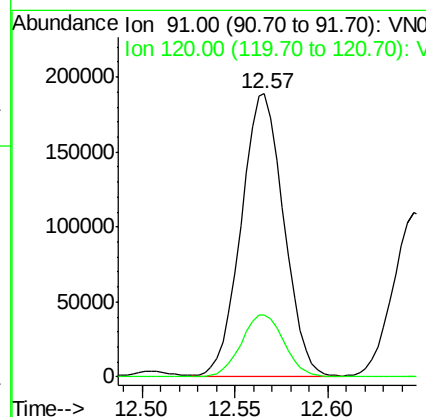
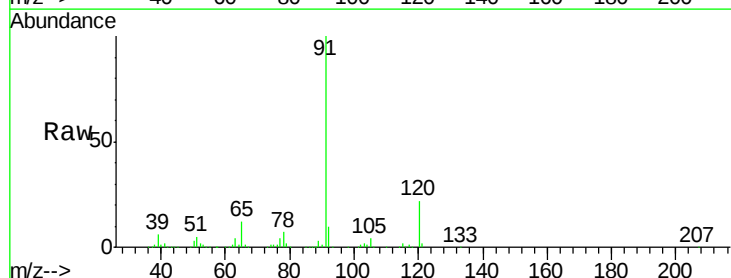
RT: 12.57 min Scan# 3367

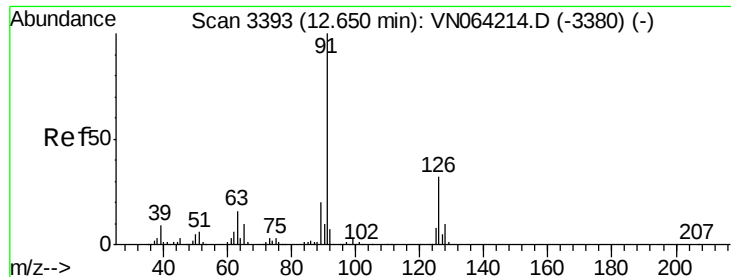
Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion: 91 Resp: 301629
 Ion Ratio Lower Upper
 91 100
 120 22.0 11.1 33.1





#79

2-Chlorotoluene

Concen: 18.794 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 186270

Ion Ratio Lower Upper

91 100

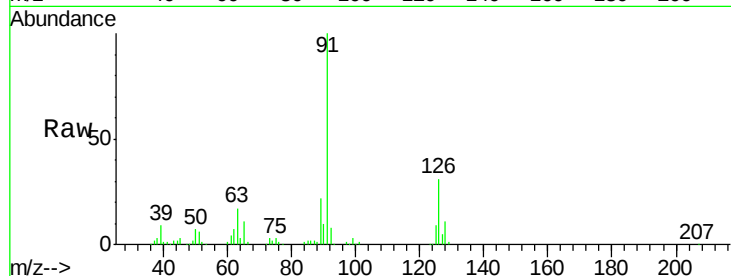
126 31.2 16.0 48.0

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064213.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064213.D (-3393) (-)

200000

150000

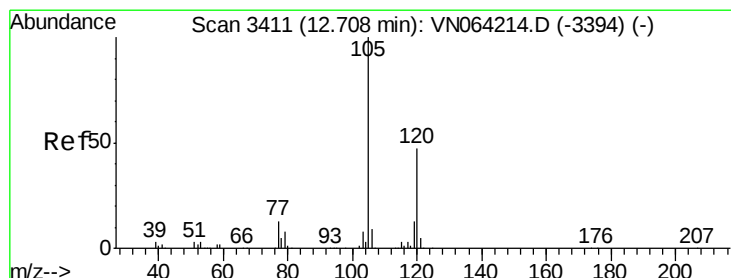
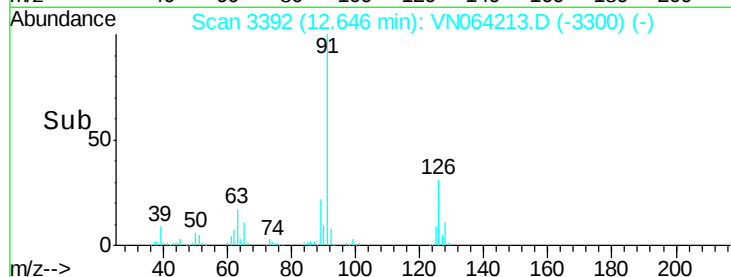
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.954 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064213.D

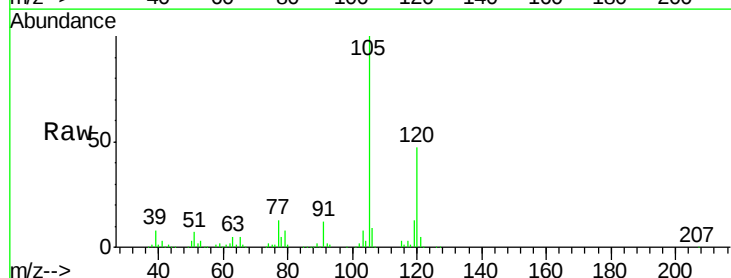
Acq: 21 Oct 2020 11:21

Tgt Ion: 105 Resp: 224265

Ion Ratio Lower Upper

105 100

120 46.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064213.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064213.D (-3411) (-)

150000

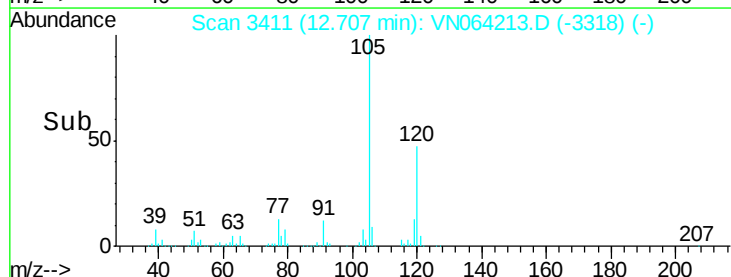
100000

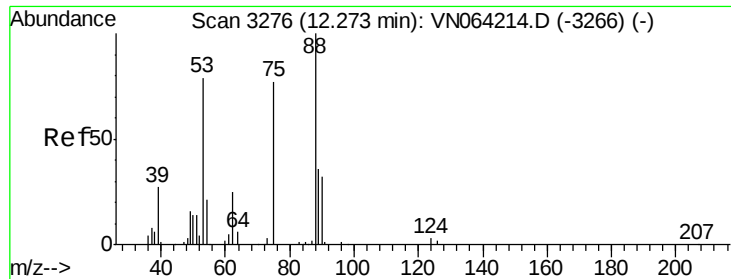
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.464 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

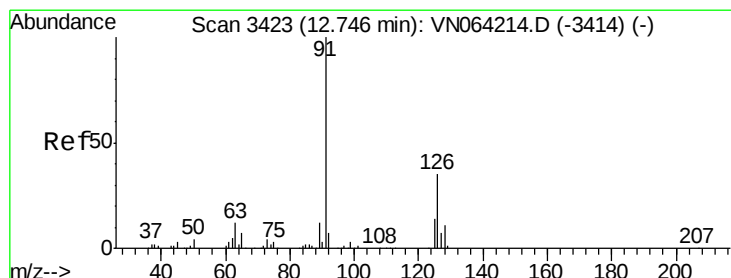
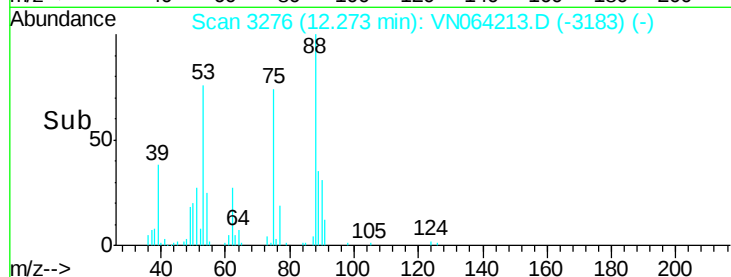
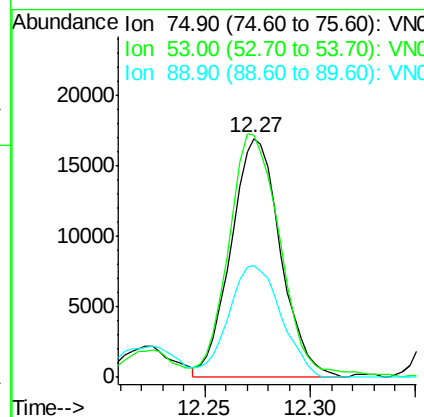
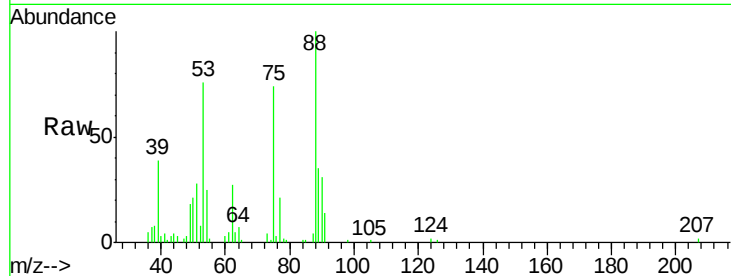
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	27633
Ion Ratio	Lower	Upper	
75	100		
53	107.0	81.0	121.4
89	49.8	38.7	58.1

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM



#82

4-Chlorotoluene

Concen: 19.400 ug/l

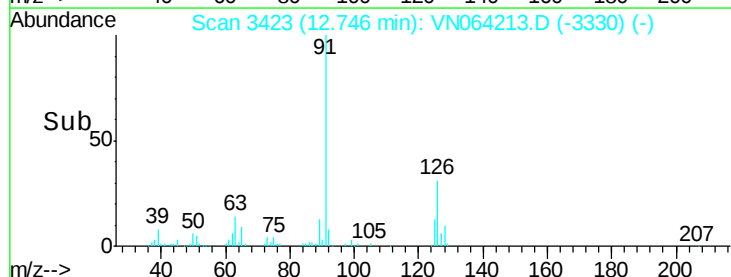
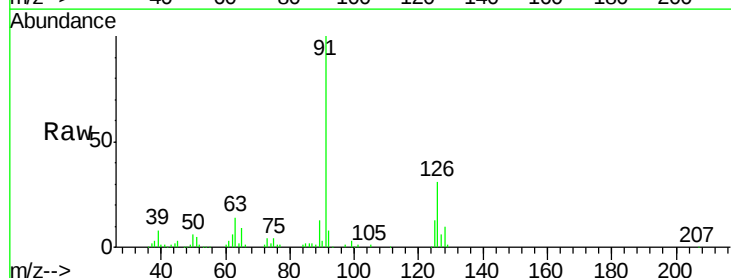
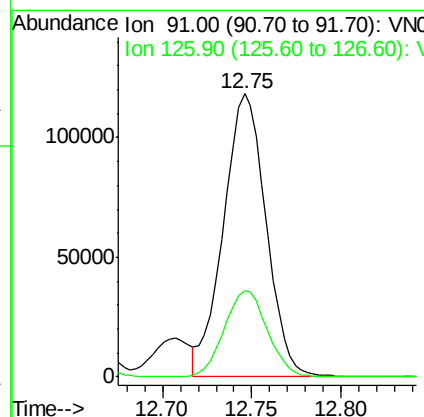
RT: 12.75 min Scan# 3423

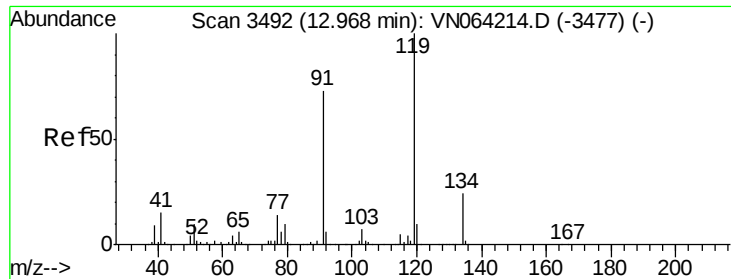
Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion:	91	Resp:	194359
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.8	47.3





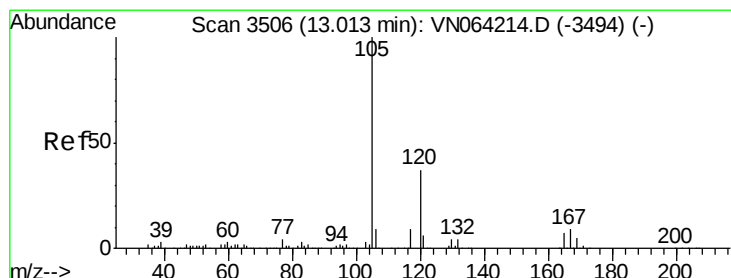
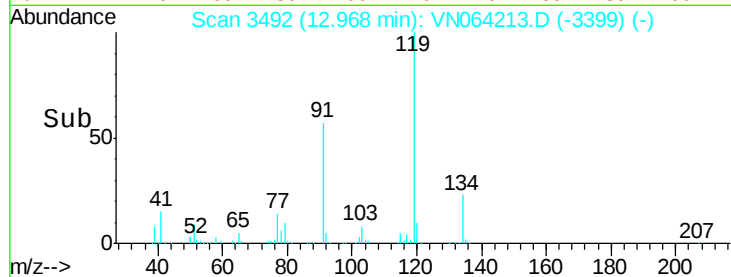
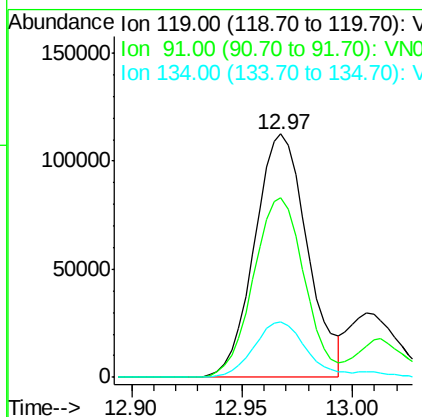
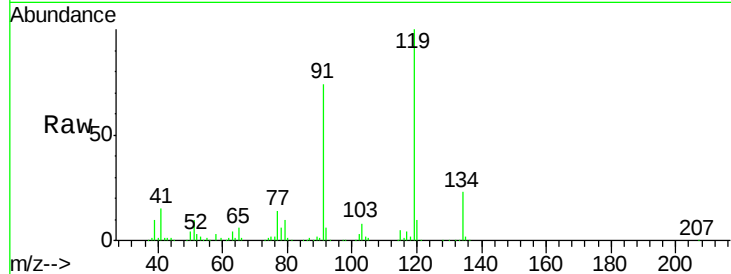
#83
 tert-Butylbenzene
 Concen: 20.066 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.4	35.1	105.3
134	22.6	11.6	34.8

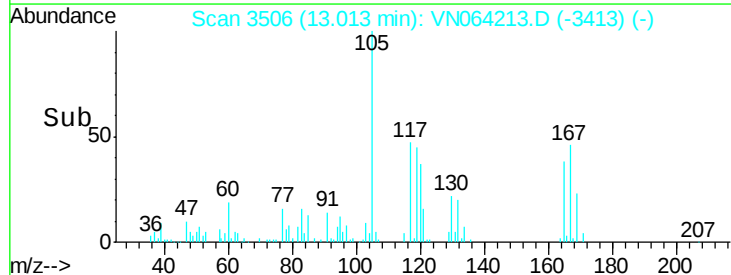
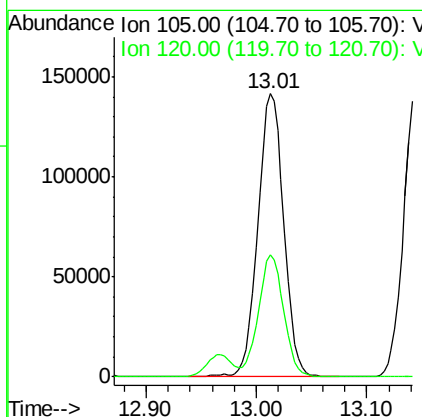
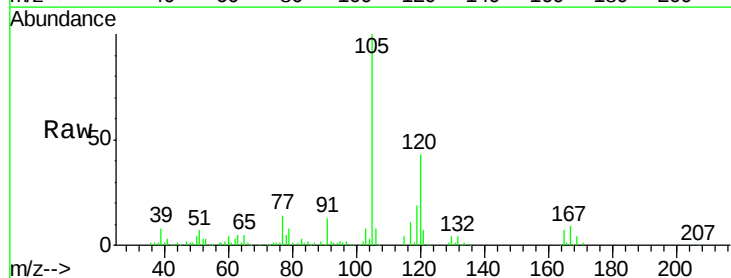
Manual Integrations
 APPROVED

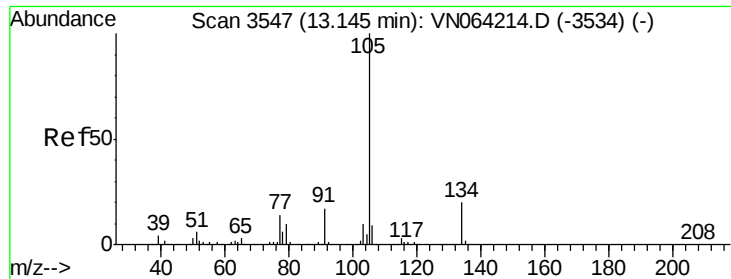
MMDadoda
 10/22/2020 3:25:23 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.923 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.5	64.5





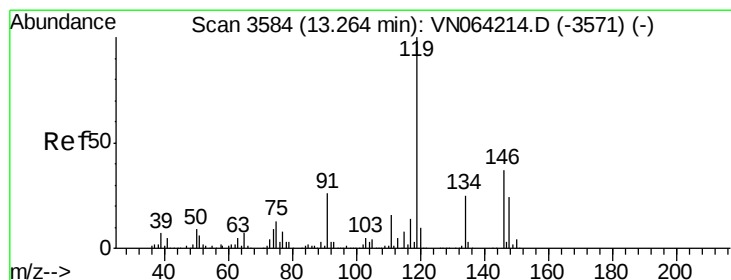
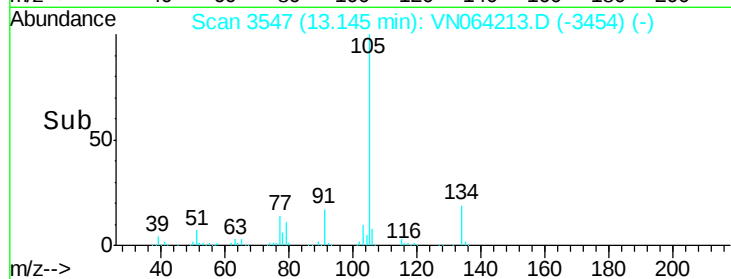
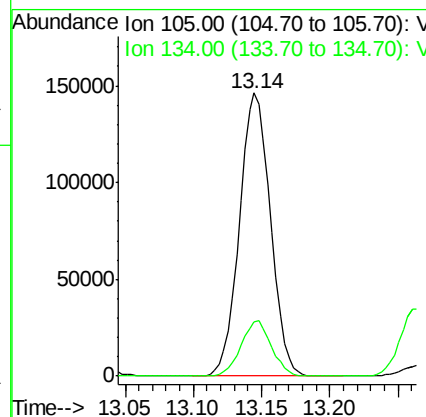
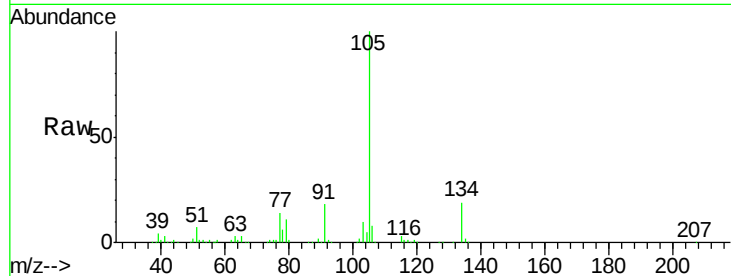
#85
 sec-Butylbenzene
 Concen: 19.381 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

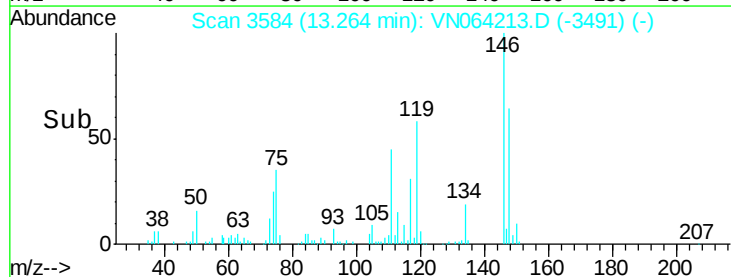
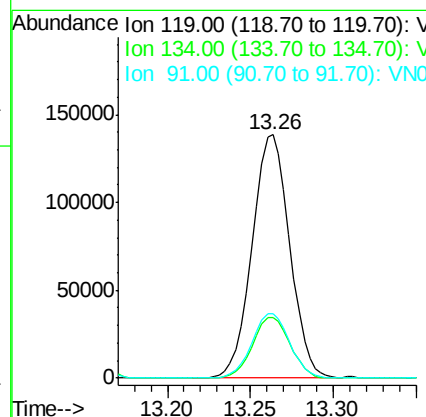
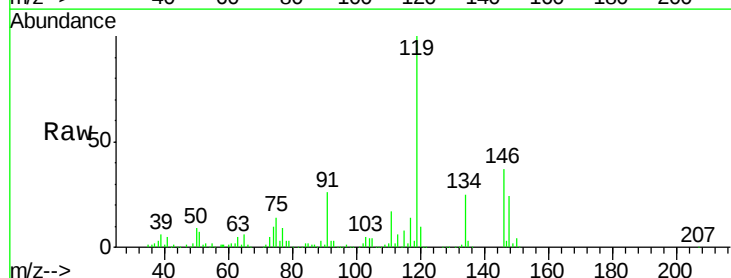
Manual Integrations
 APPROVED

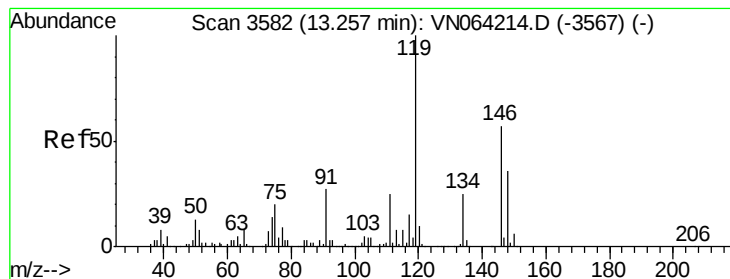
MMDadoda
 10/22/2020 3:25:23 PM



#86
 p-Isopropyltoluene
 Concen: 20.772 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.3
91	26.9	13.4	40.2





#87

1,3-Dichlorobenzene

Concen: 17.569 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA_N

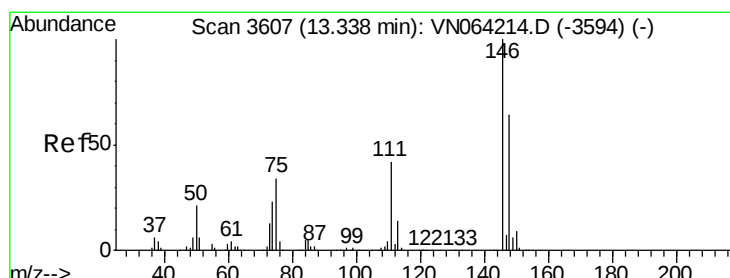
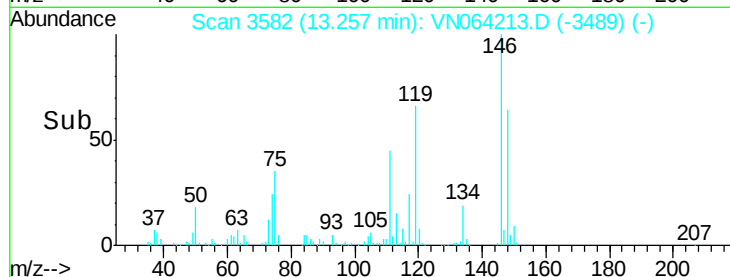
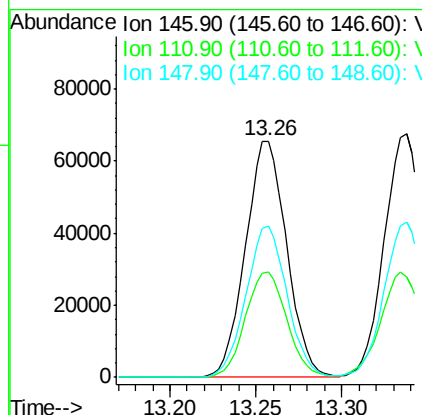
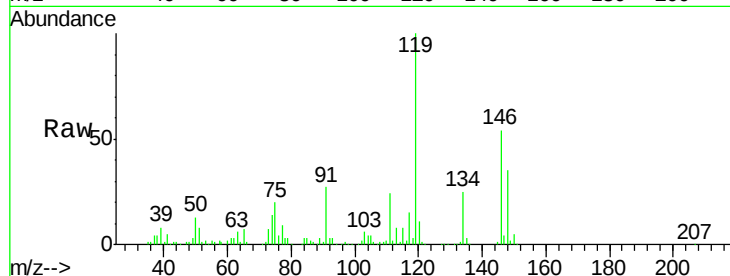
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	109328
Ion Ratio	Lower	Upper	
146	100		
111	44.6	21.6	65.0
148	63.5	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM



#88

1,4-Dichlorobenzene

Concen: 16.941 ug/l

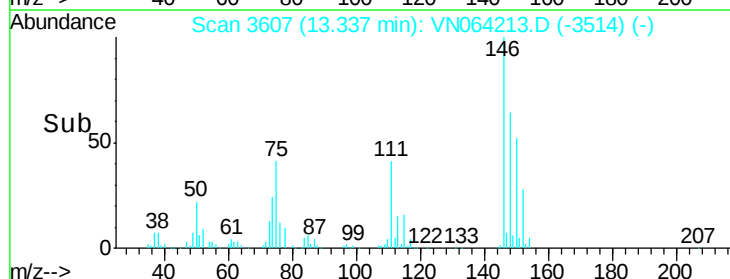
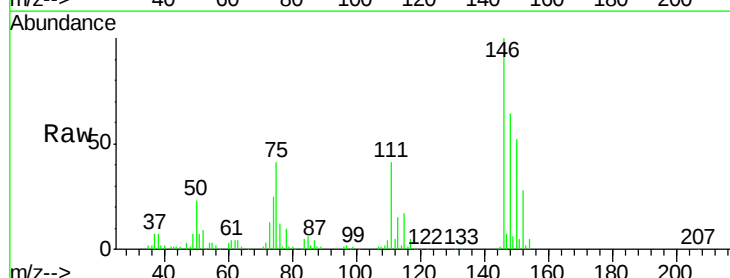
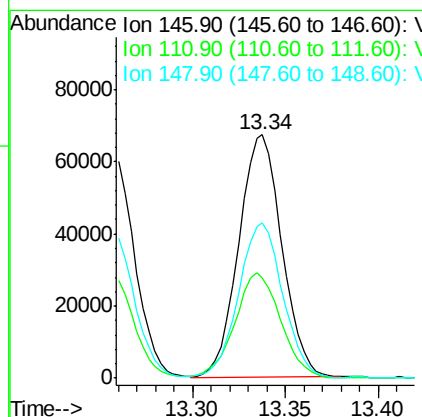
RT: 13.34 min Scan# 3607

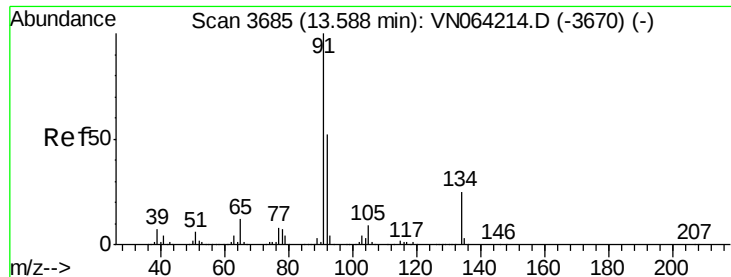
Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion:	146	Resp:	108046
Ion Ratio	Lower	Upper	
146	100		
111	46.8	21.5	64.5
148	65.1	32.0	96.0





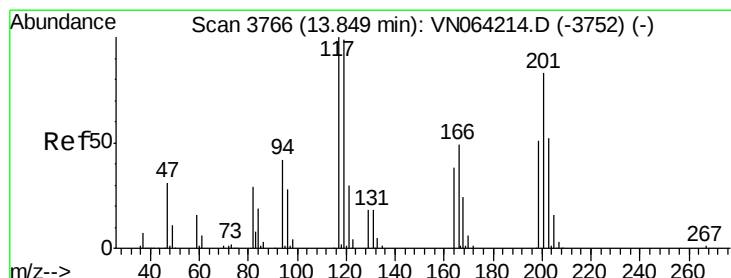
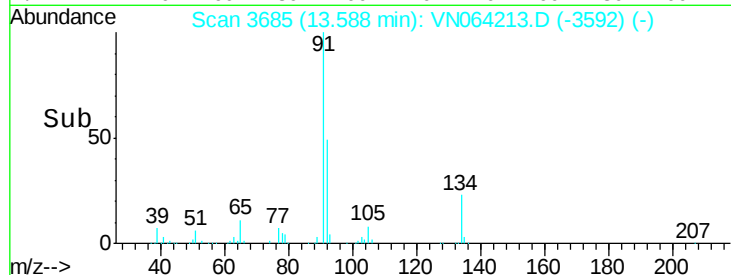
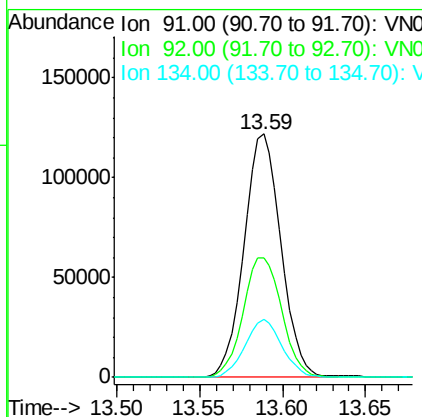
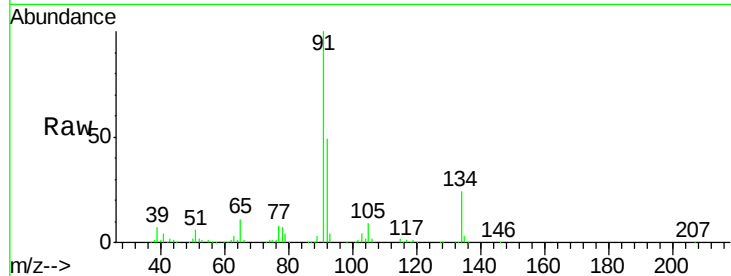
#89
n-Butylbenzene
Concen: 21.278 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	24.0	12.3	36.8

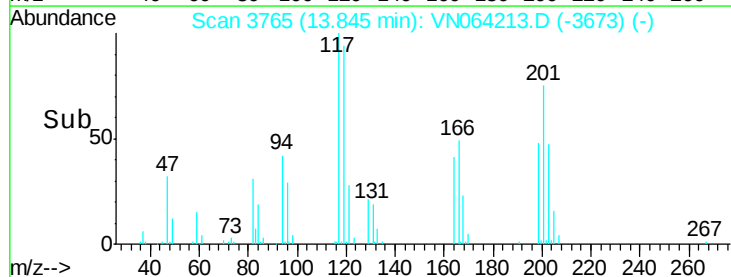
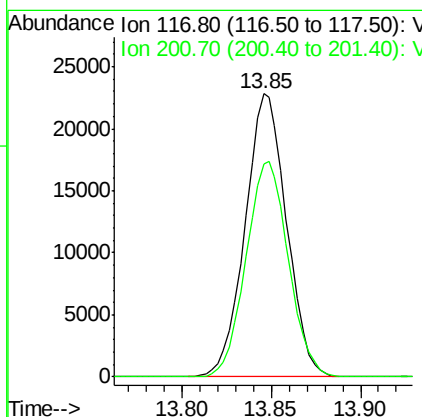
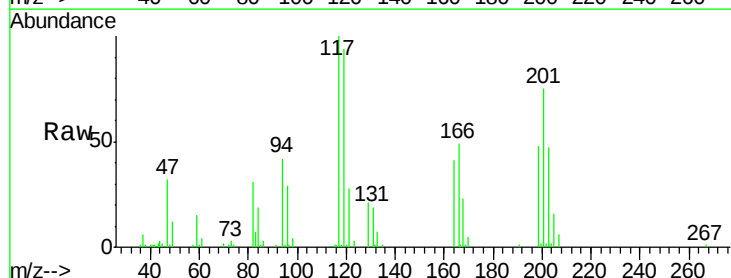
Manual Integrations
APPROVED

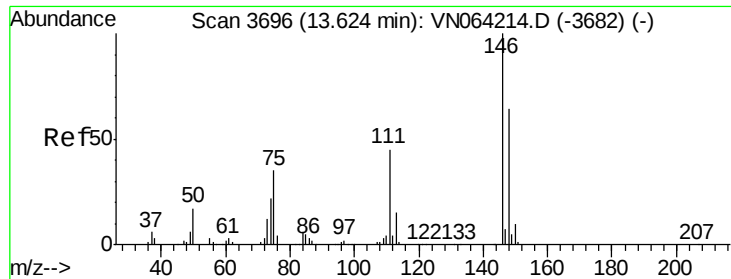
MMDadoda
10/22/2020 3:25:23 PM



#90
Hexachloroethane
Concen: 18.584 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	40.1	120.3





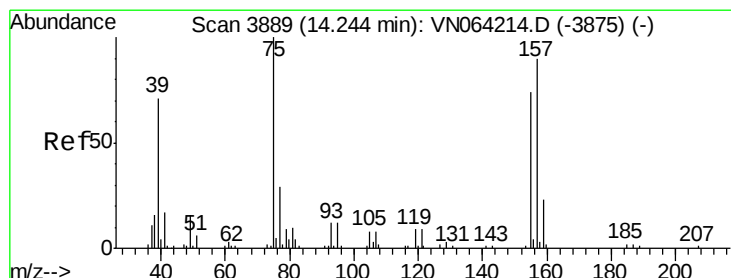
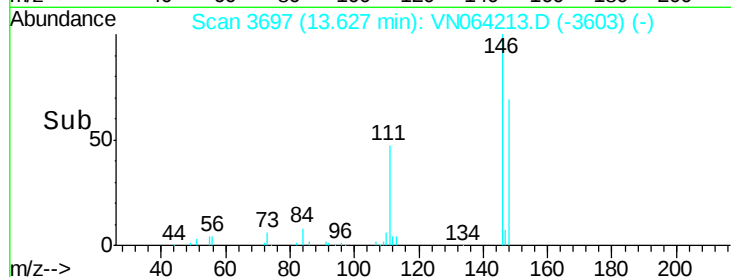
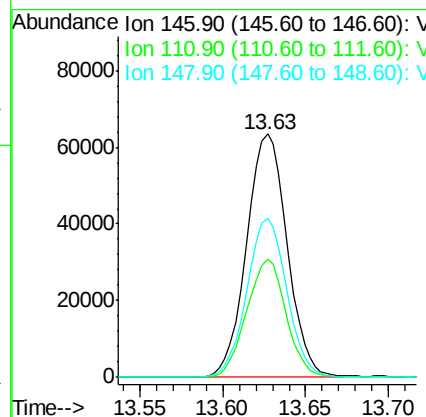
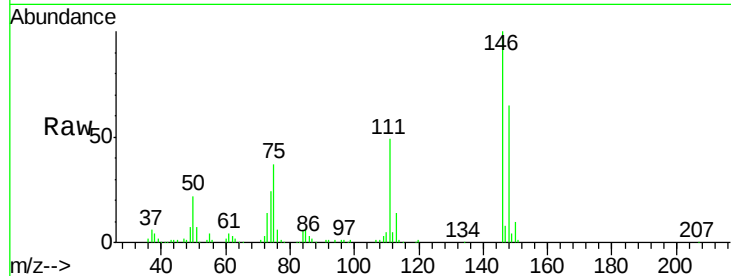
#91
 1,2-Dichlorobenzene
 Concen: 17.469 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	22.9	68.7
148	64.6	31.9	95.5

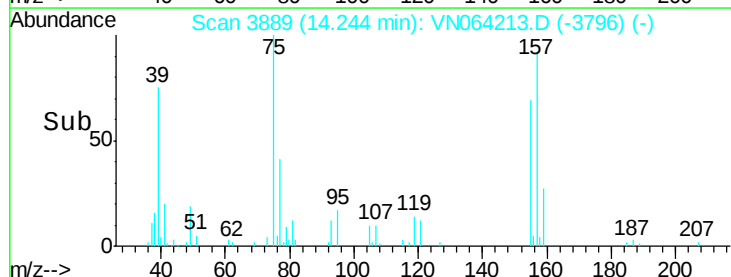
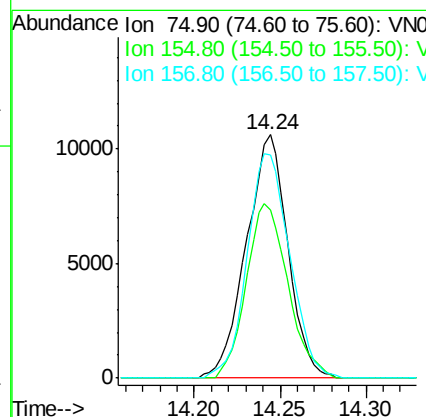
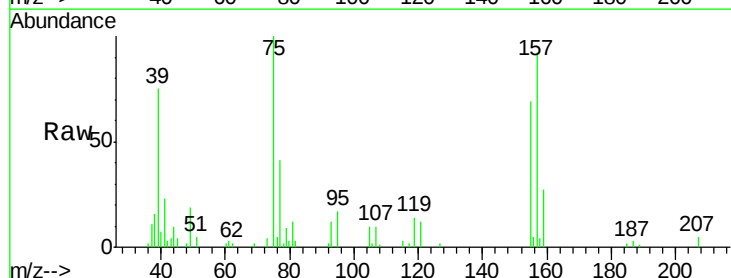
Manual Integrations
 APPROVED

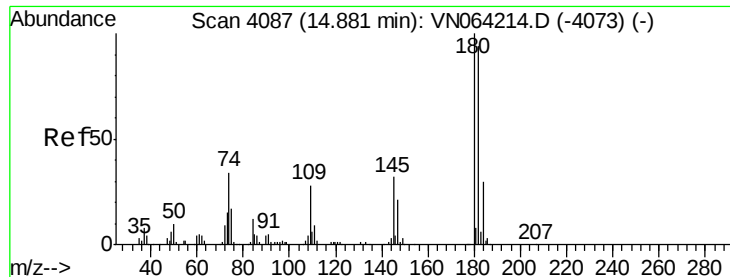
MMDadoda
 10/22/2020 3:25:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.045 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	36.9	110.7
157	94.2	44.6	133.8





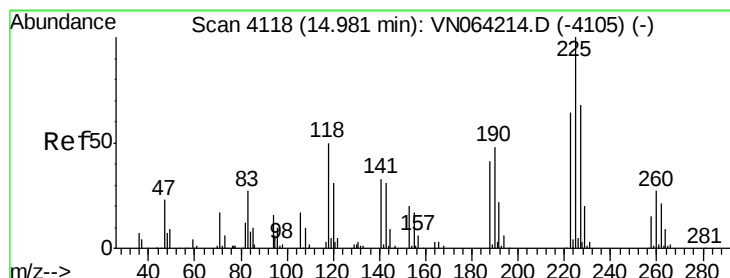
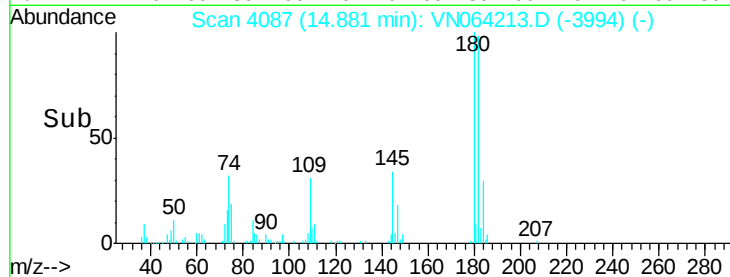
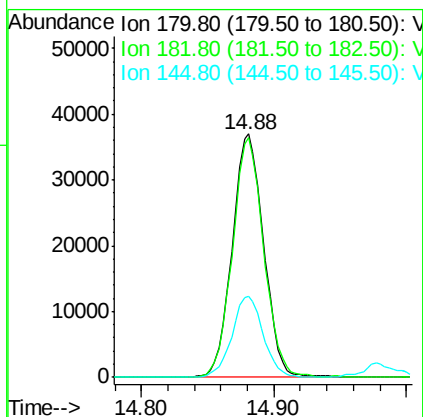
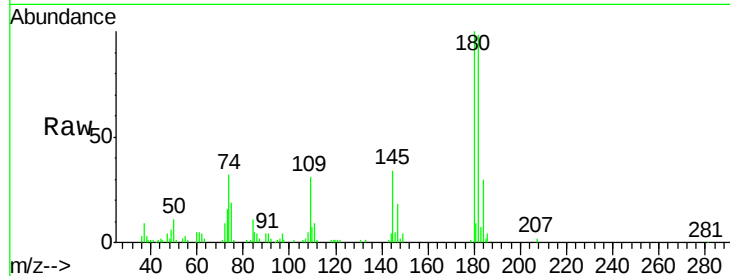
#93
 1,2,4-Trichlorobenzene
 Concen: 23.086 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	46.9	140.7
145	33.0	16.1	48.3

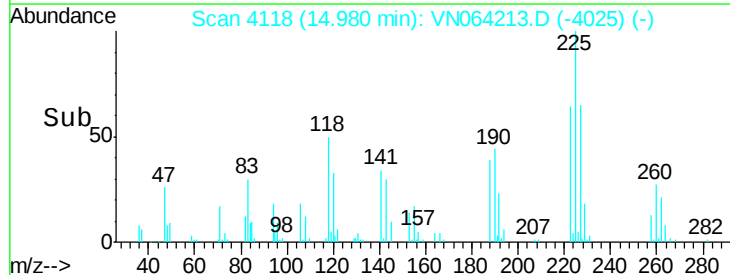
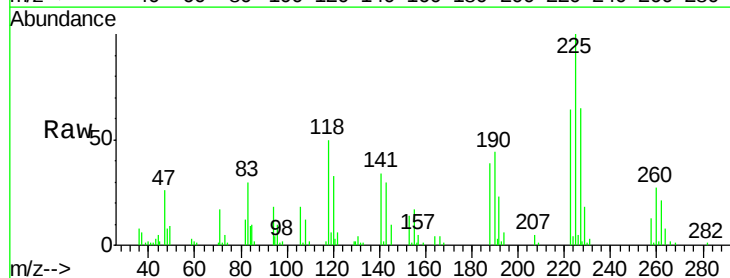
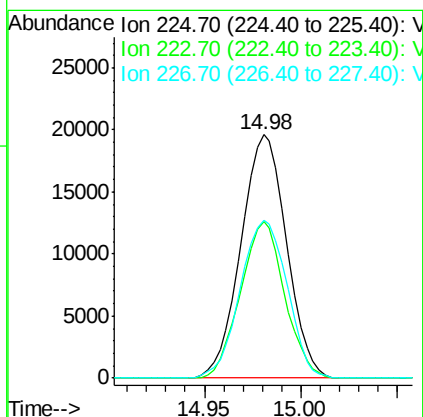
Manual Integrations
 APPROVED

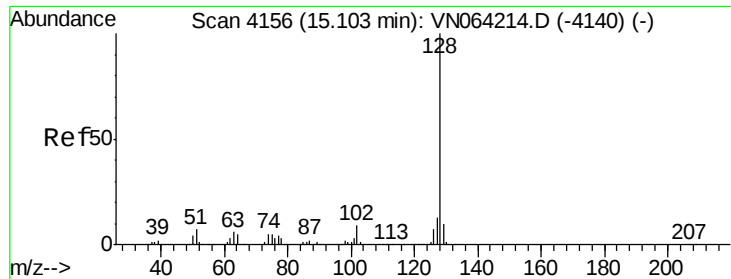
MMDadoda
 10/22/2020 3:25:23 PM



#94
 Hexachlorobutadiene
 Concen: 20.805 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064213.D
 Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	66.7	32.1	96.5





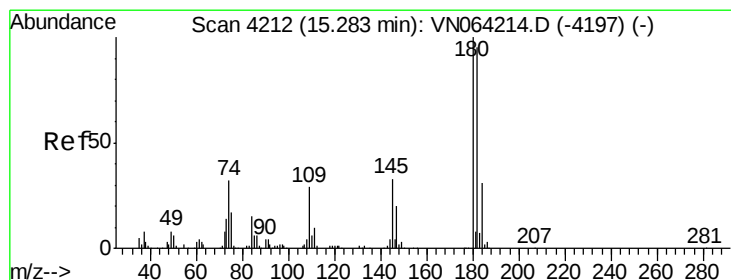
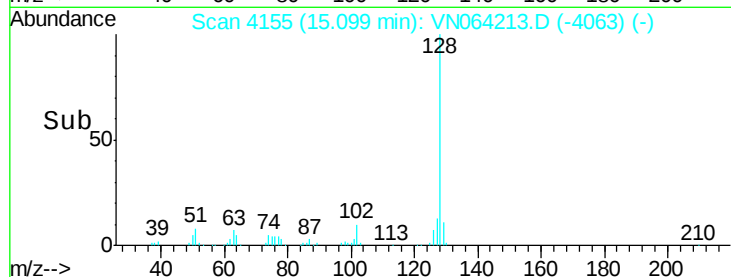
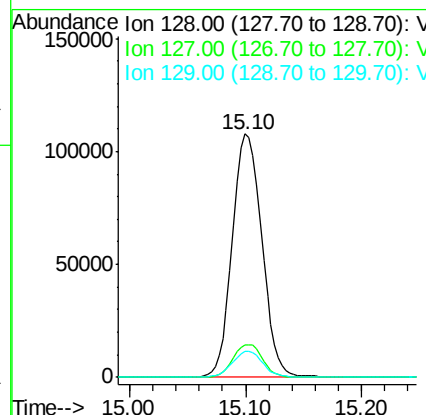
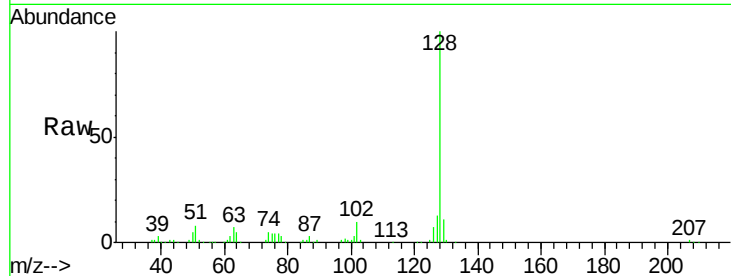
#95
Naphthalene
Concen: 24.205 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	190131		
127	13.3	10.5	15.7	
129	11.0	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.802 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064213.D
Acq: 21 Oct 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59585		
182	96.3	48.0	144.2	
145	32.9	17.1	51.3	

