

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064652.D
 Acq On : 16 Nov 2020 10:47
 Operator : JC/MD
 Sample : VN1116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 5:42:33 PM

Quant Time: Nov 17 04:06:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	298491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	515326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	484245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	258465	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
35) Dibromofluoromethane	7.55	113	179752	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.06	98	668906	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.38	95	236372	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	68298	17.577	ug/l	98
3) Chloromethane	2.04	50	73307	15.532	ug/l	96
4) Vinyl Chloride	2.17	62	84218	17.377	ug/l	100
5) Bromomethane	2.54	94	59643	19.263	ug/l	99
6) Chloroethane	2.68	64	54852	17.677	ug/l	100
7) Trichlorofluoromethane	2.99	101	142306	19.940	ug/l	96
8) Diethyl Ether	3.38	74	47487	18.842	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65212	19.242	ug/l	94
10) Methyl Iodide	3.91	142	70489	17.900	ug/l	99
11) Tert butyl alcohol	4.75	59	48557	84.687	ug/l	100
12) 1,1-Dichloroethene	3.69	96	57436	17.992	ug/l	96
13) Acrolein	3.57	56	17708	49.790	ug/l	95
14) Allyl chloride	4.27	41	101661	16.279	ug/l	95
15) Acrylonitrile	4.93	53	142738	89.416	ug/l	97
16) Acetone	3.78	43	180601	91.190	ug/l	100
17) Carbon Disulfide	4.01	76	161670	16.935	ug/l	98
18) Methyl Acetate	4.28	43	70475	18.100	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	194173	16.900	ug/l	99
20) Methylene Chloride	4.50	84	68668	17.475	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	60763	16.764	ug/l	97
22) Diisopropyl ether	5.90	45	218323	16.470	ug/l	94
23) Vinyl Acetate	5.85	43	885170	82.084	ug/l	98
24) 1,1-Dichloroethane	5.79	63	129656	17.799	ug/l	98
25) 2-Butanone	6.79	43	212594	84.248	ug/l	99
26) 2,2-Dichloropropane	6.77	77	119605	18.138	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	72237	17.199	ug/l	96
28) Bromochloromethane	7.15	49	62977	17.589	ug/l	97
29) Tetrahydrofuran	7.17	42	130729	84.440	ug/l	98
30) Chloroform	7.33	83	140960	18.410	ug/l	96
31) Cyclohexane	7.61	56	98537	15.591	ug/l	# 89
32) 1,1,1-Trichloroethane	7.52	97	123031	18.116	ug/l	100
36) 1,1-Dichloropropene	7.75	75	98360	18.067	ug/l	98
37) Ethyl Acetate	6.88	43	86273	16.138	ug/l	98
38) Carbon Tetrachloride	7.73	117	109347	18.794	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064652.D
 Acq On : 16 Nov 2020 10:47
 Operator : JC/MD
 Sample : VN1116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1116MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 5:42:33 PM

Quant Time: Nov 17 04:06:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	83535	17.117	ug/l	98
40) Benzene	8.00	78	282493	17.659	ug/l	99
41) Methacrylonitrile	7.12	41	37865m	15.688	ug/l	
42) 1,2-Dichloroethane	8.08	62	123774	19.172	ug/l	98
43) Isopropyl Acetate	8.13	43	149965	16.998	ug/l	98
44) Trichloroethene	8.80	130	73206	18.138	ug/l	96
45) 1,2-Dichloropropane	9.08	63	78150	18.309	ug/l	99
46) Dibromomethane	9.17	93	53698	19.110	ug/l	97
47) Bromodichloromethane	9.37	83	114356	18.927	ug/l	99
48) Methyl methacrylate	9.17	41	73695	16.554	ug/l	99
49) 1,4-Dioxane	9.17	88	20972	357.654	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	462601	89.912	ug/l	98
52) Toluene	10.12	92	174665	17.901	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	113901	17.782	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	122976	17.957	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	71722	18.848	ug/l	97
56) Ethyl methacrylate	10.40	69	88078	15.391	ug/l	95
57) 1,3-Dichloropropane	10.68	76	123237	18.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	240665	95.882	ug/l	97
59) 2-Hexanone	10.72	43	326339	80.558	ug/l	99
60) Dibromochloromethane	10.87	129	81704	19.178	ug/l	99
61) 1,2-Dibromoethane	10.98	107	73523	19.049	ug/l	97
64) Tetrachloroethene	10.60	164	69661	18.675	ug/l	98
65) Chlorobenzene	11.41	112	186463	17.565	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	74586	18.833	ug/l	98
67) Ethyl Benzene	11.48	91	328061	17.374	ug/l	99
68) m/p-Xylenes	11.59	106	238303	34.799	ug/l	97
69) o-Xylene	11.92	106	111404	16.835	ug/l	99
70) Styrene	11.94	104	195765	17.581	ug/l	99
71) Bromoform	12.10	173	50359	17.778	ug/l #	98
73) Isopropylbenzene	12.22	105	301586	17.053	ug/l	100
74) N-amyl acetate	12.05	43	120526	14.925	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	98197	18.078	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	92807m	17.215	ug/l	
77) Bromobenzene	12.50	156	74054	17.151	ug/l	99
78) n-propylbenzene	12.57	91	353164	17.516	ug/l	100
79) 2-Chlorotoluene	12.65	91	218691	17.102	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	256954	17.612	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	29752	15.409	ug/l	85
82) 4-Chlorotoluene	12.75	91	236238	17.640	ug/l	99
83) tert-Butylbenzene	12.97	119	196873	17.278	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	260527	17.763	ug/l	99
85) sec-Butylbenzene	13.14	105	265540	18.401	ug/l	99
86) p-Isopropyltoluene	13.26	119	232621	17.921	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	133422	17.876	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	131884	17.099	ug/l	98
89) n-Butylbenzene	13.59	91	197634	17.708	ug/l	99
90) Hexachloroethane	13.85	117	49042	19.586	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	130589	18.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20263	18.736	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
Data File : VN064652.D
Acq On : 16 Nov 2020 10:47
Operator : JC/MD
Sample : VN1116WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

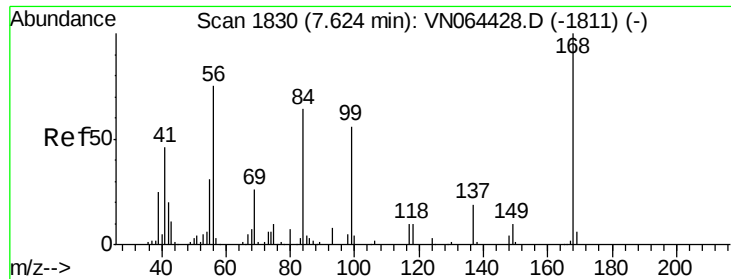
Manual Integrations
APPROVED

MMDadoda
11/19/2020 5:42:33 PM

Quant Time: Nov 17 04:06:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	52045	16.464	ug/l	96
94) Hexachlorobutadiene	14.98	225	31957	21.863	ug/l	97
95) Naphthalene	15.10	128	148455	14.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	53030	17.276	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion:168 Resp: 298491

Ion Ratio Lower Upper

168 100

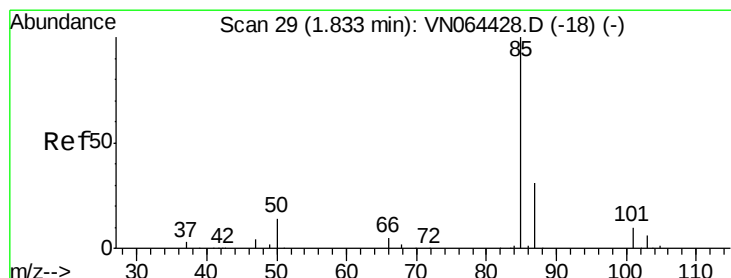
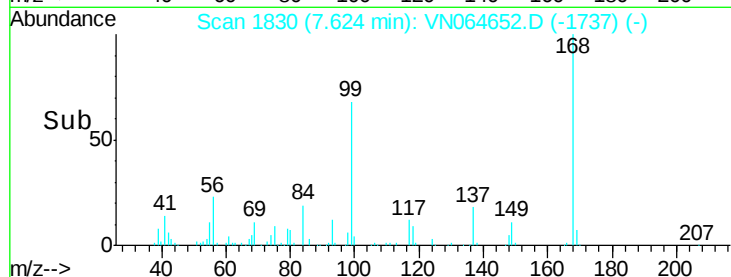
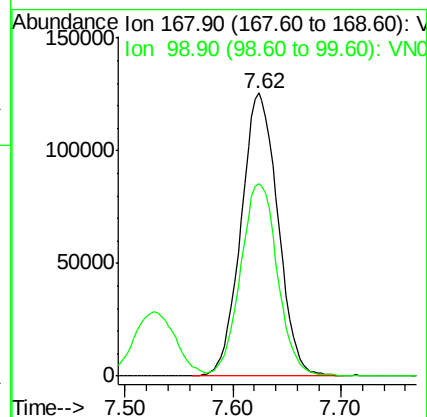
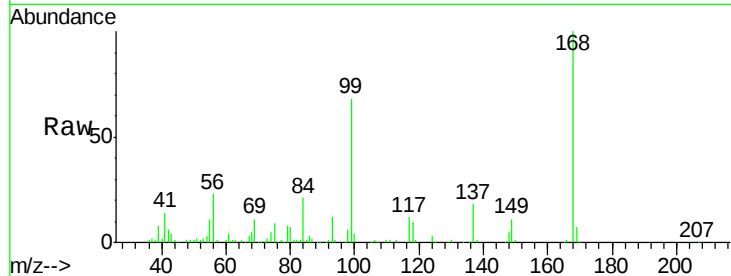
99 67.4 53.4 80.2

Manual Integrations

APPROVED

MMDadoda

11/19/2020 5:42:33 PM



#2

Dichlorodifluoromethane

Concen: 17.577 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064652.D

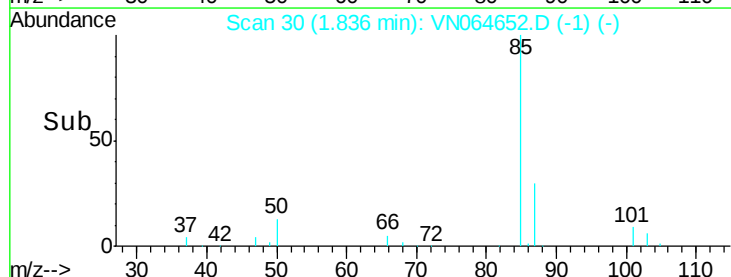
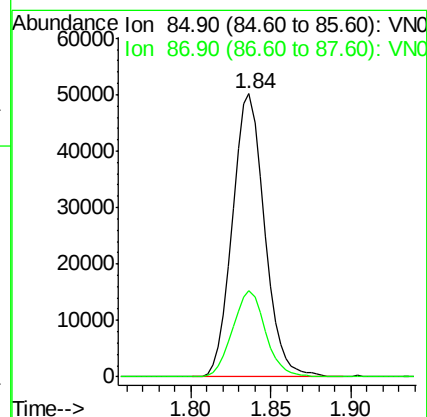
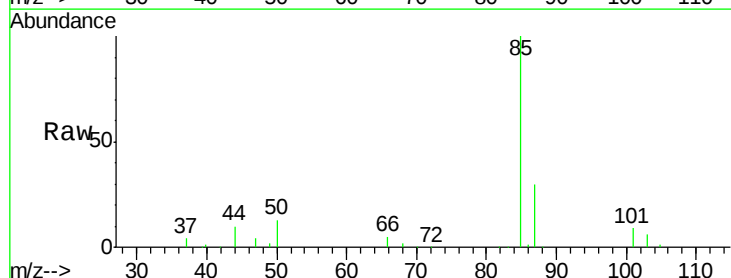
Acq: 16 Nov 2020 10:47

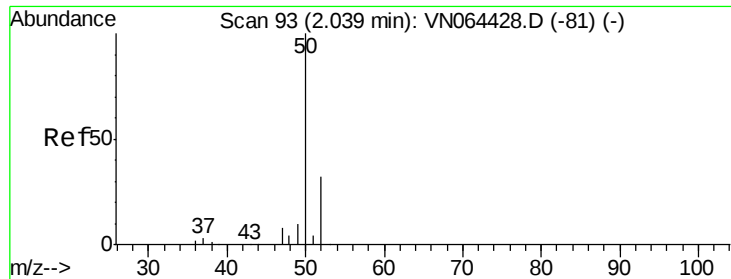
Tgt Ion: 85 Resp: 68298

Ion Ratio Lower Upper

85 100

87 30.4 15.7 47.1





#3

Chloromethane

Concen: 15.532 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion: 50 Resp: 73307

Ion Ratio Lower Upper

50 100

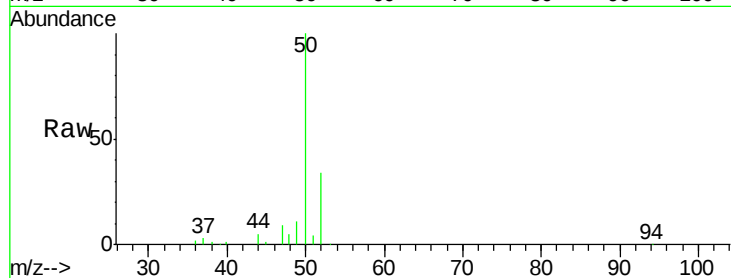
52 33.7 25.3 37.9

Manual Integrations

APPROVED

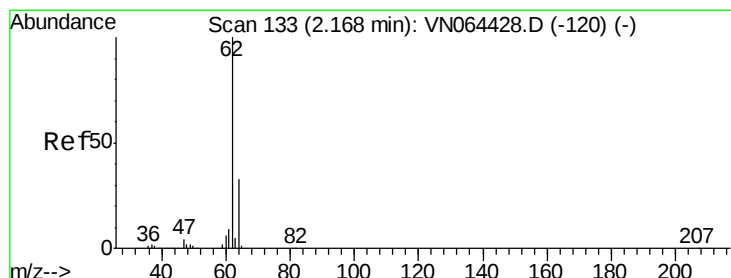
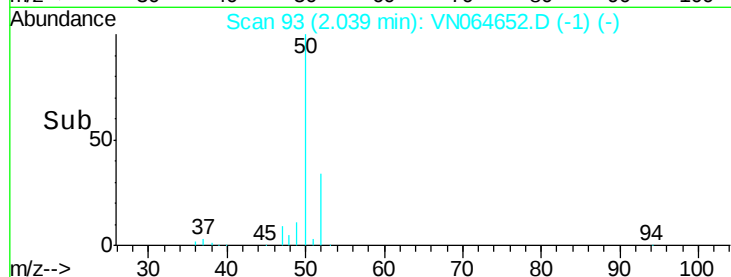
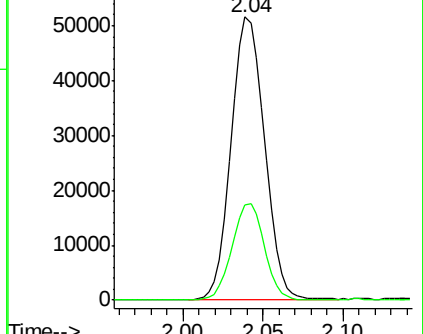
MMDadoda

11/19/2020 5:42:33 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.377 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064652.D

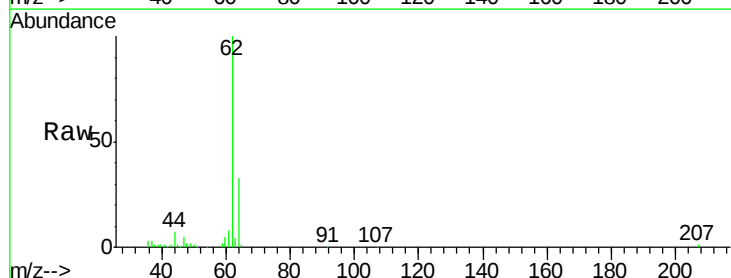
Acq: 16 Nov 2020 10:47

Tgt Ion: 62 Resp: 84218

Ion Ratio Lower Upper

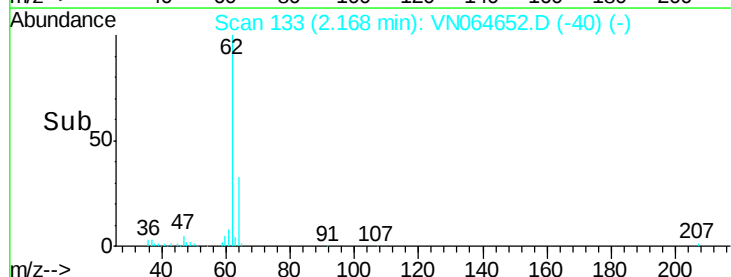
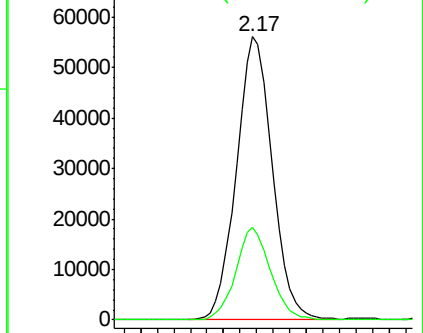
62 100

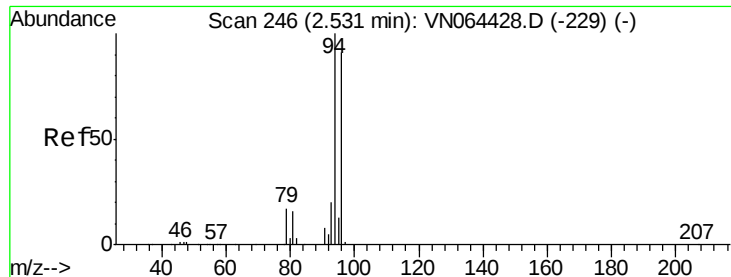
64 32.6 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.263 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion: 94 Resp: 59643

Ion Ratio Lower Upper

94 100

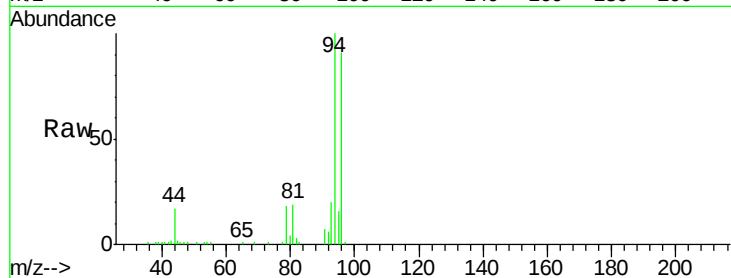
96 90.8 73.1 109.7

Manual Integrations

APPROVED

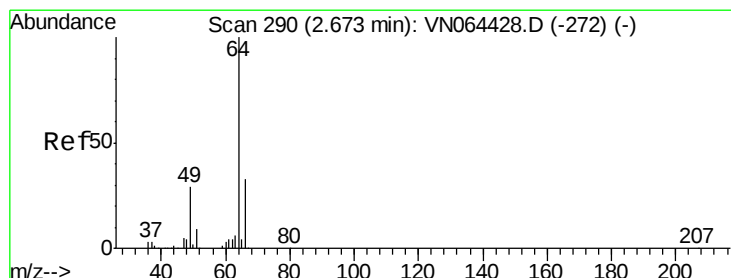
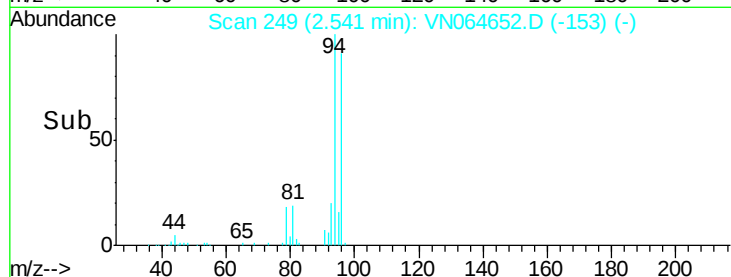
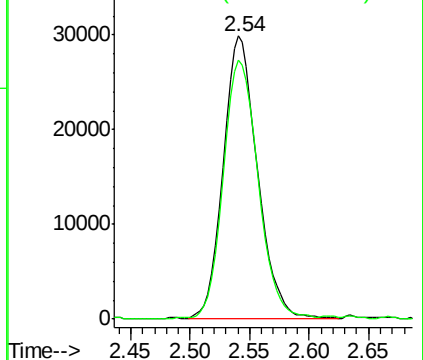
MMDadoda

11/19/2020 5:42:33 PM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 17.677 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064652.D

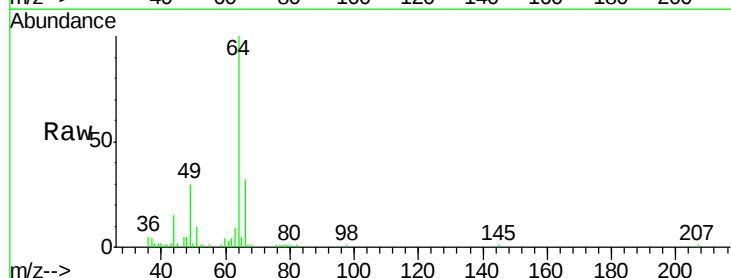
Acq: 16 Nov 2020 10:47

Tgt Ion: 64 Resp: 54852

Ion Ratio Lower Upper

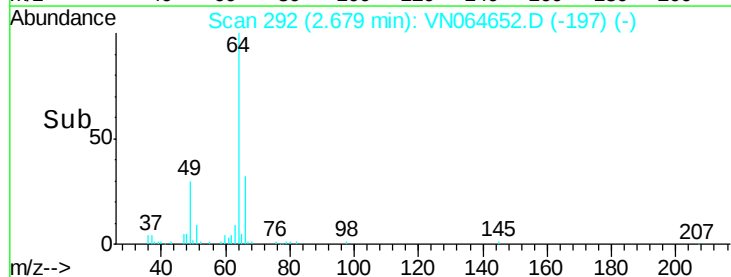
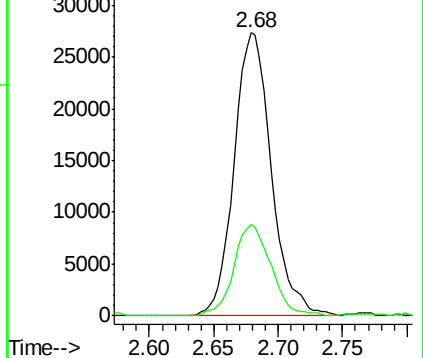
64 100

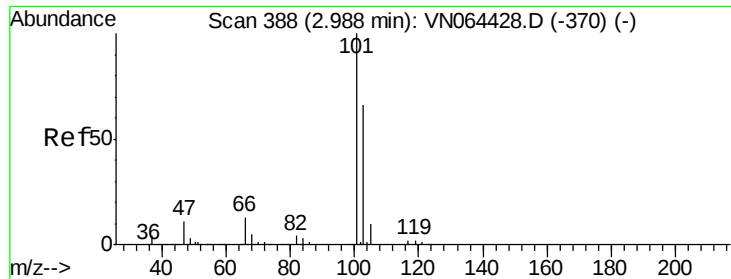
66 32.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

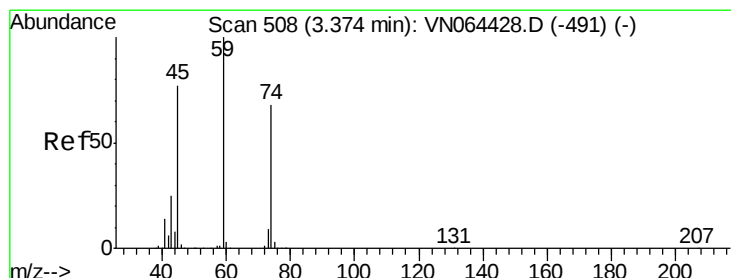
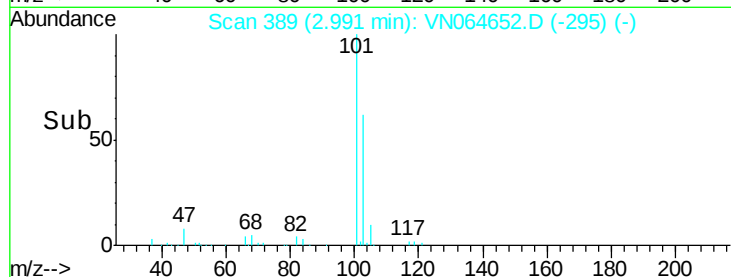
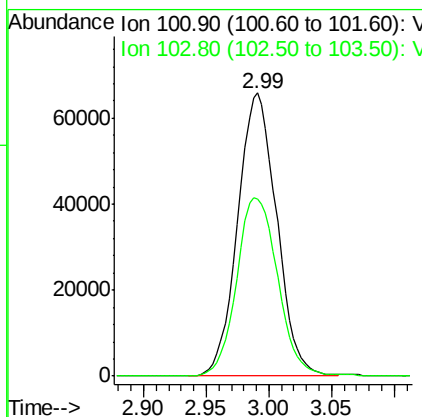
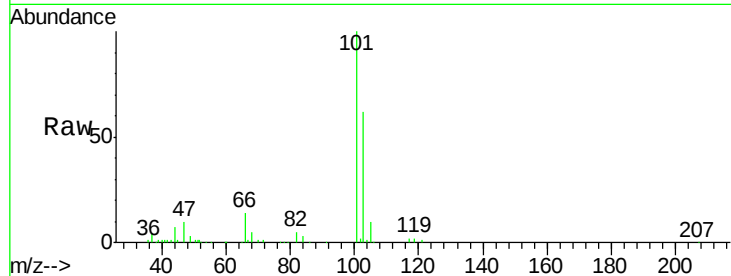
Trichlorofluoromethane
 Concen: 19.940 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.4	78.6

Manual Integrations
 APPROVED

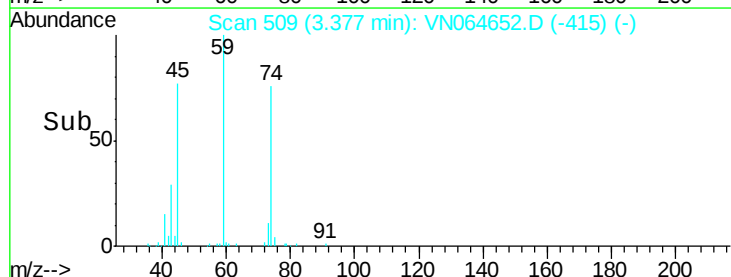
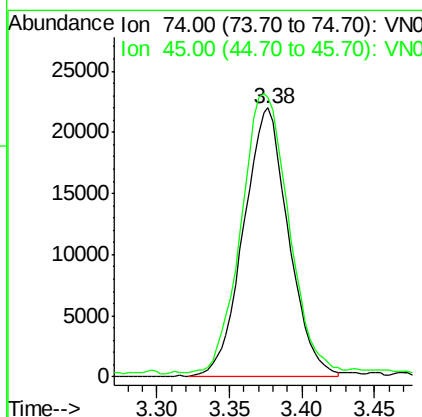
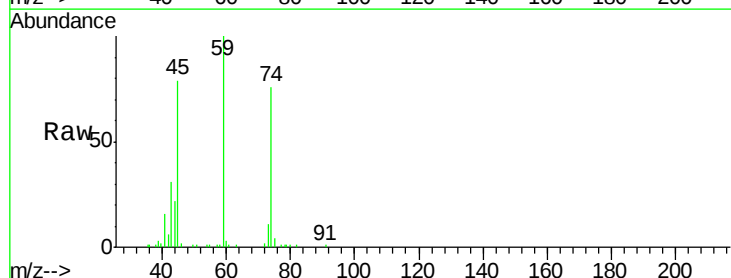
MMDadoda
 11/19/2020 5:42:33 PM

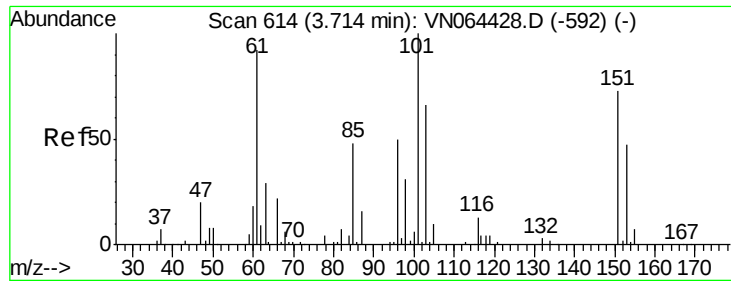


#8

Diethyl Ether
 Concen: 18.842 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.4	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.242 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

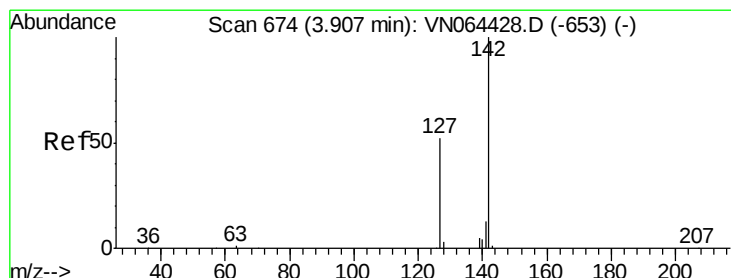
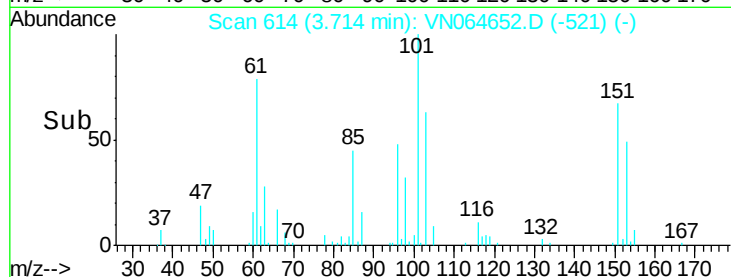
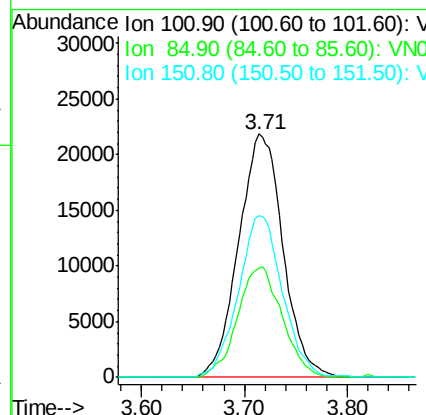
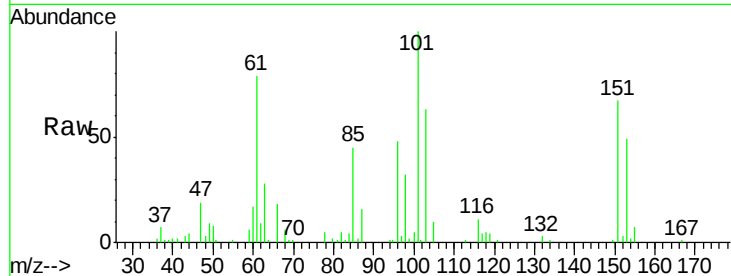
ClientSampleId :

VN1116MBS01

Tot Ion:	101	Resp:	65212
Ion Ratio	Lower	Upper	
101	100		
85	45.6	38.6	57.8
151	66.1	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
11/19/2020 5:42:33 PM



#10

Methyl Iodide

Concen: 17.900 ug/l

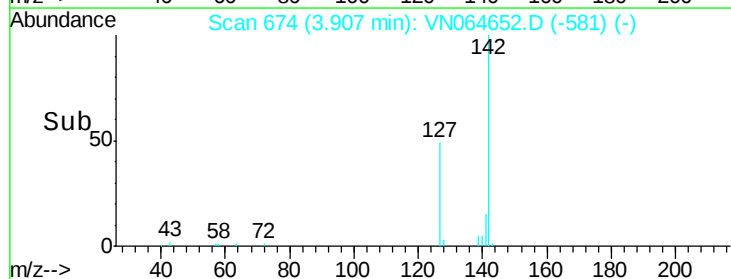
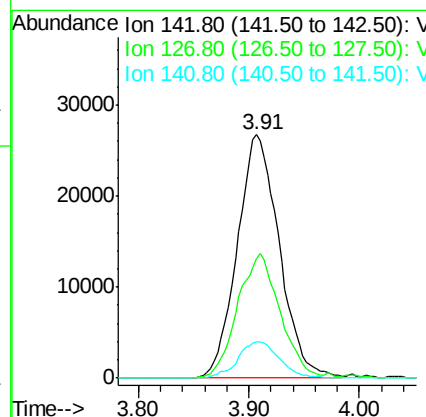
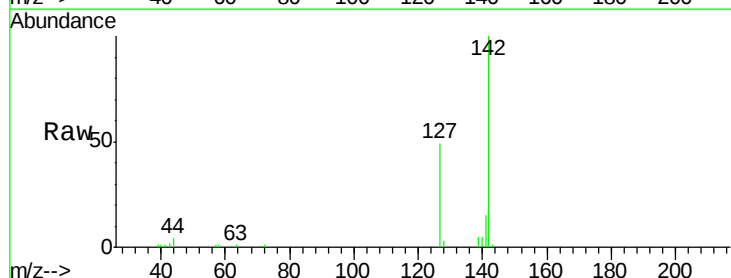
RT: 3.91 min Scan# 674

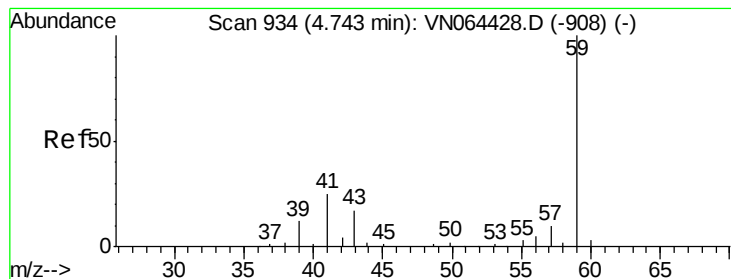
Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Tgt Ion:	142	Resp:	70489
Ion Ratio	Lower	Upper	
142	100		
127	51.6	41.8	62.8
141	14.8	11.4	17.2





#11

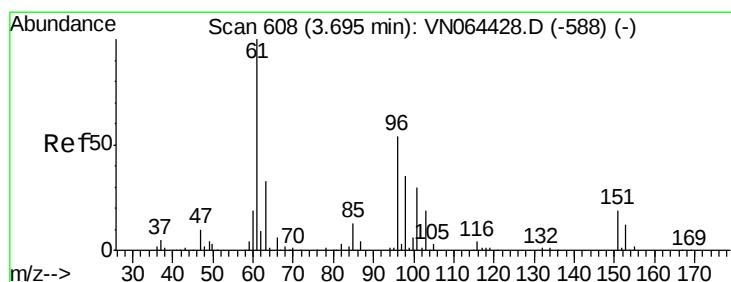
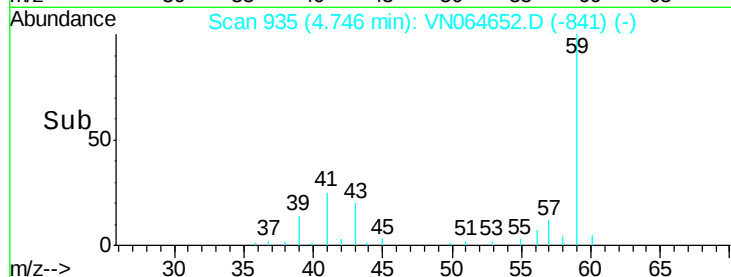
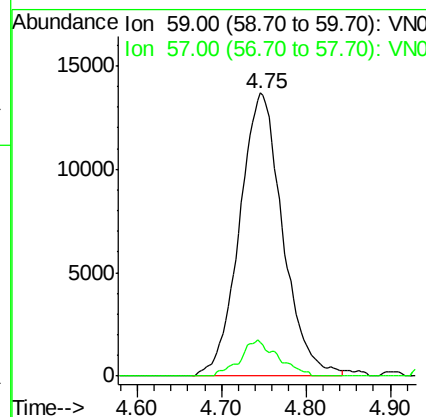
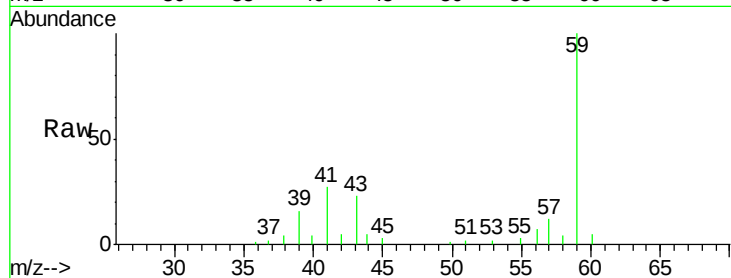
Tert butyl alcohol
Concen: 84.687 ug/l
RT: 4.75 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.4

Manual Integrations
APPROVED

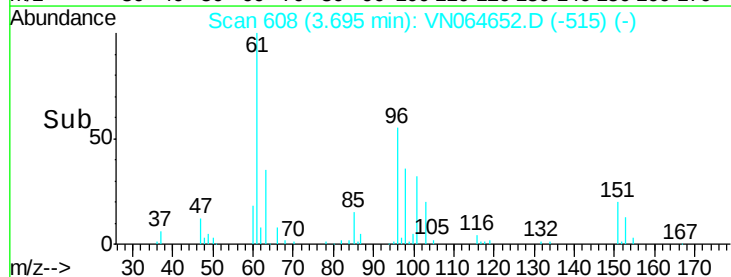
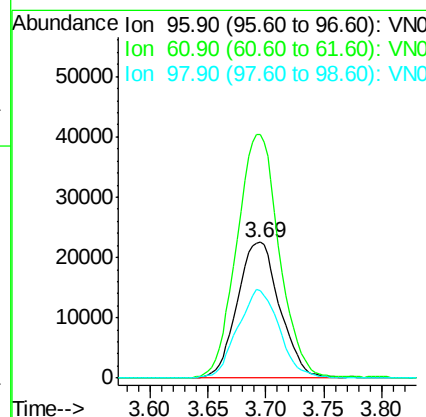
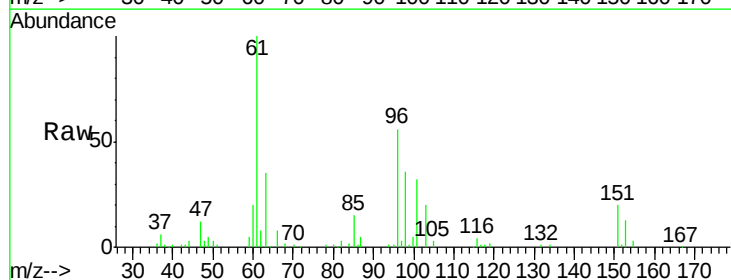
MMDadoda
11/19/2020 5:42:33 PM

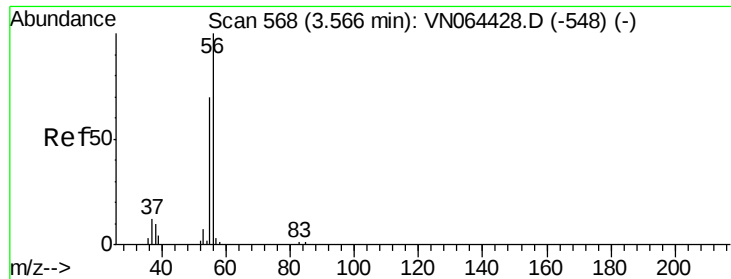


#12

1,1-Dichloroethene
Concen: 17.992 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.2	149.5	224.3
98	64.6	52.4	78.6





#13

Acrolein

Concen: 49.790 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion: 56 Resp: 17708

Ion Ratio Lower Upper

56 100

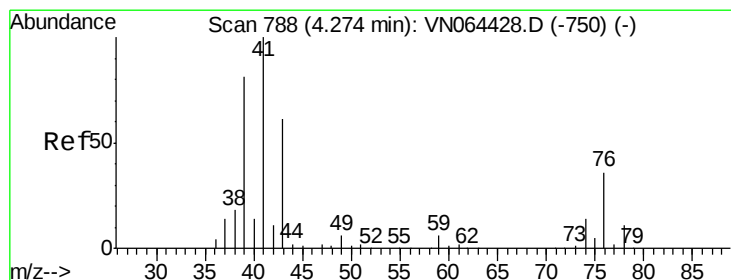
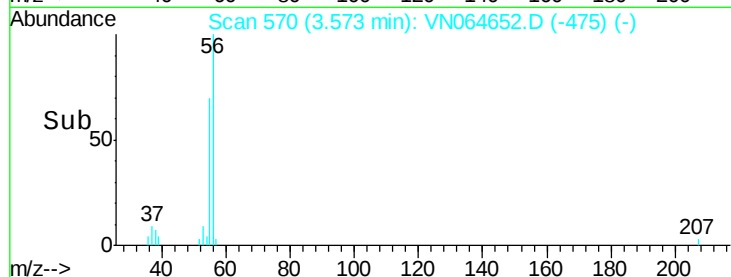
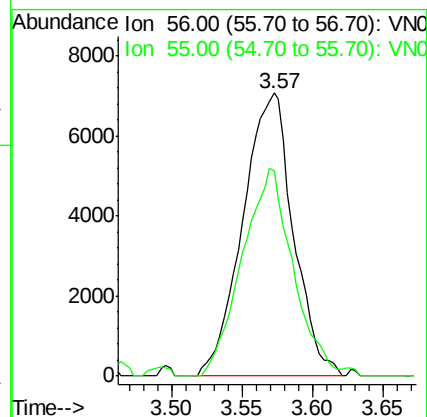
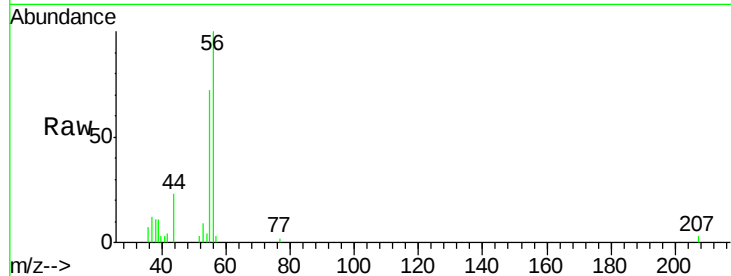
55 73.8 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

11/19/2020 5:42:33 PM



#14

Allyl chloride

Concen: 16.279 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

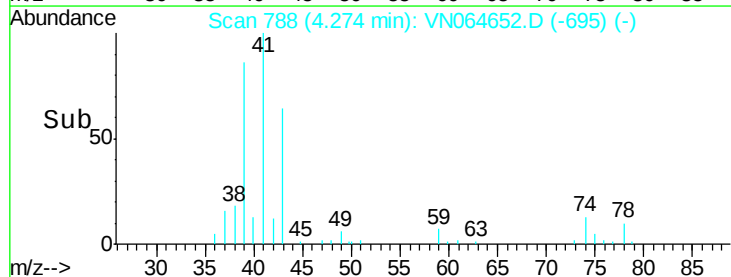
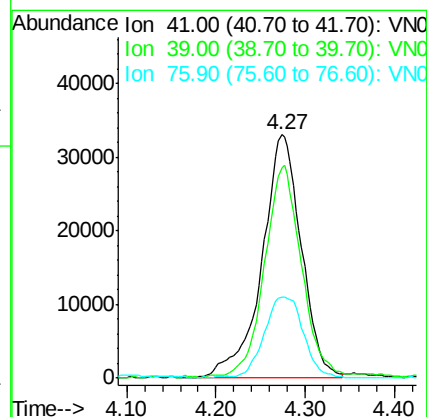
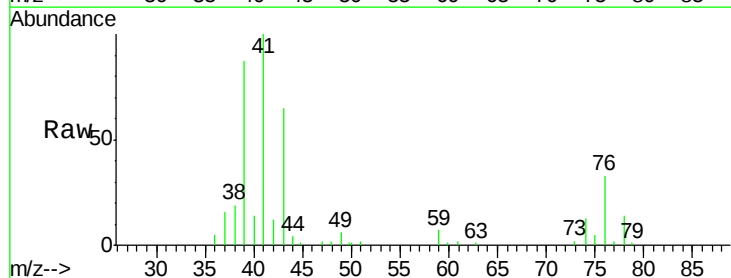
Tgt Ion: 41 Resp: 101661

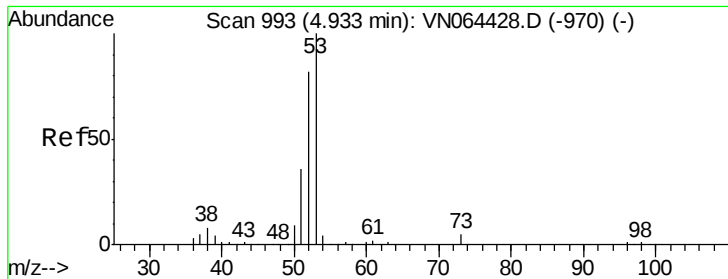
Ion Ratio Lower Upper

41 100

39 82.5 61.8 92.8

76 33.1 25.4 38.0





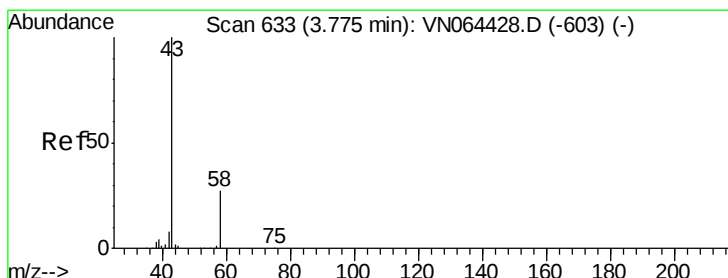
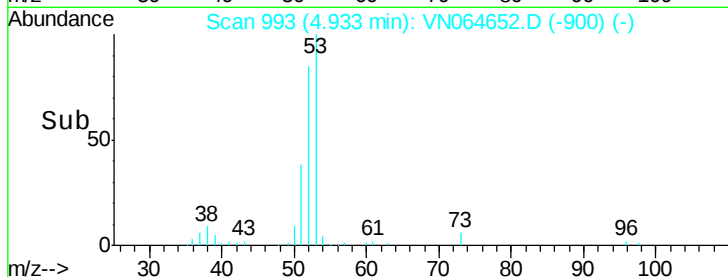
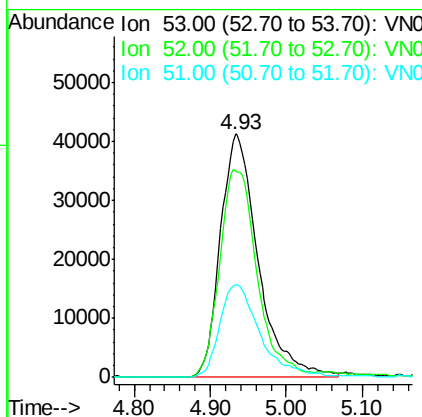
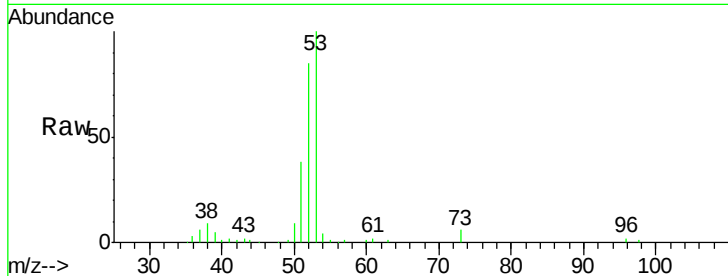
#15
 Acrylonitrile
 Concen: 89.416 ug/l
 RT: 4.93 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.6	98.4
51	40.5	29.9	44.9

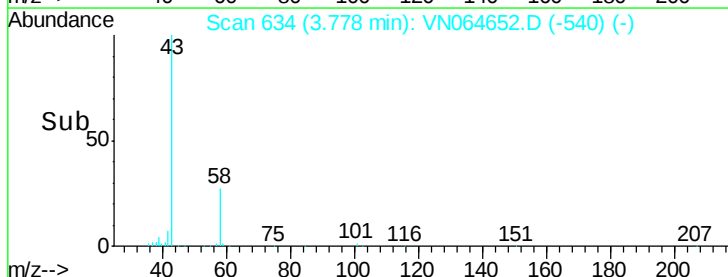
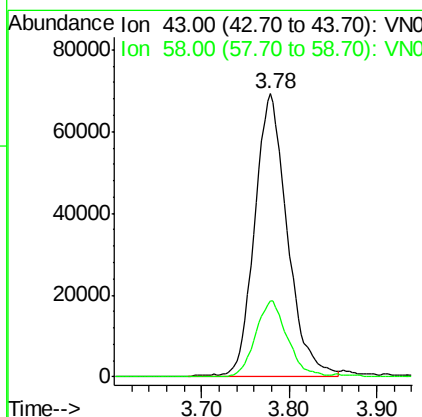
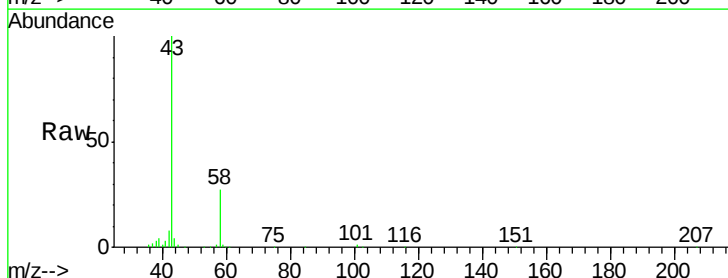
Manual Integrations
 APPROVED

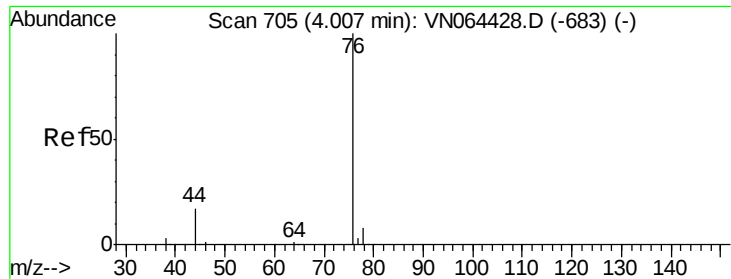
MMDadoda
 11/19/2020 5:42:33 PM



#16
 Acetone
 Concen: 91.190 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.4	32.0





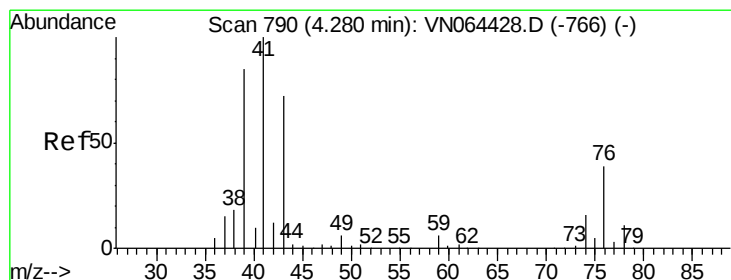
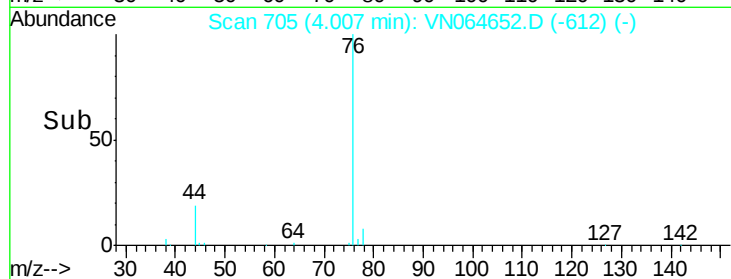
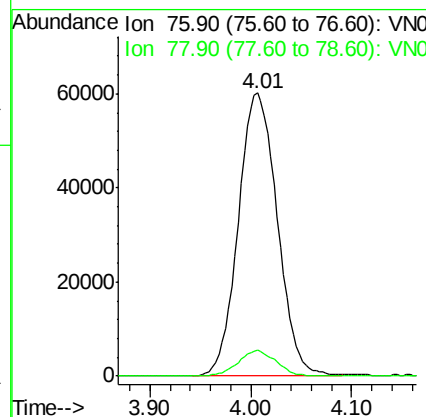
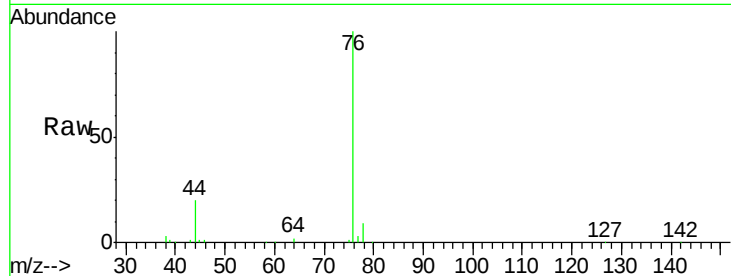
#17
Carbon Disulfide
Concen: 16.935 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion: 76 Resp: 161670
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

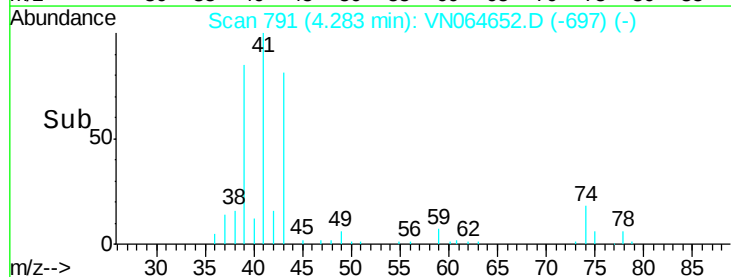
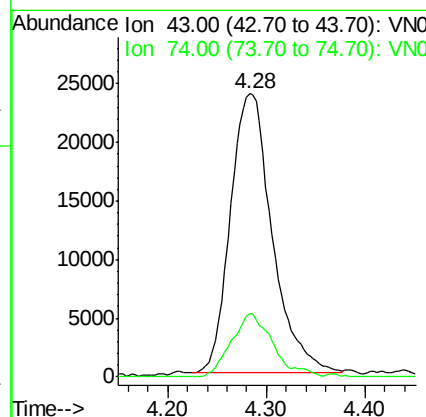
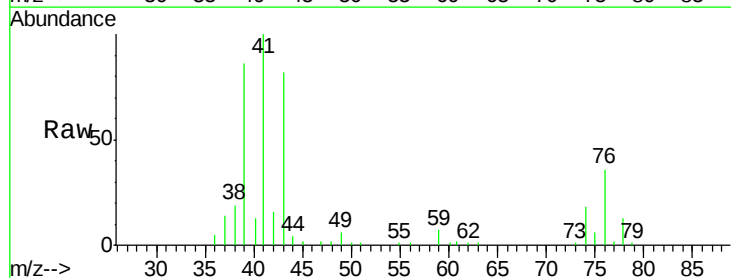
Manual Integrations
APPROVED

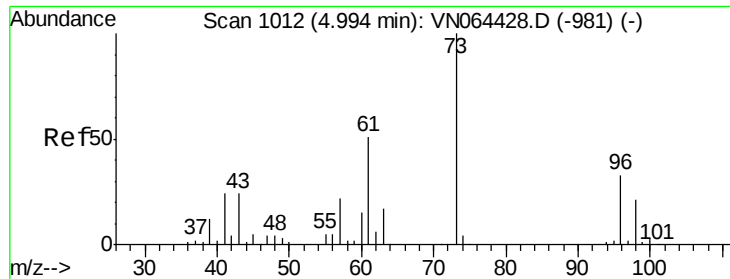
MMDadoda
11/19/2020 5:42:33 PM



#18
Methyl Acetate
Concen: 18.100 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion: 43 Resp: 70475
Ion Ratio Lower Upper
43 100
74 22.4 17.0 25.4





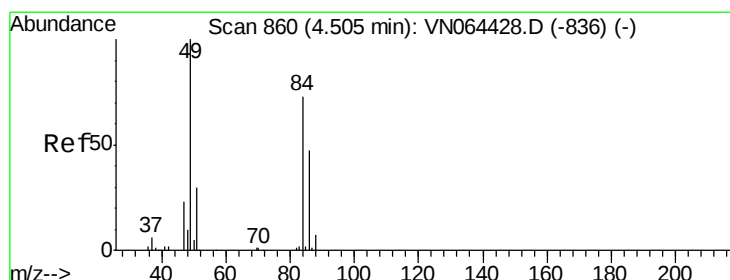
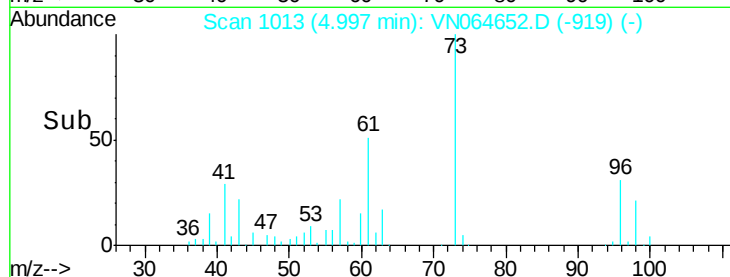
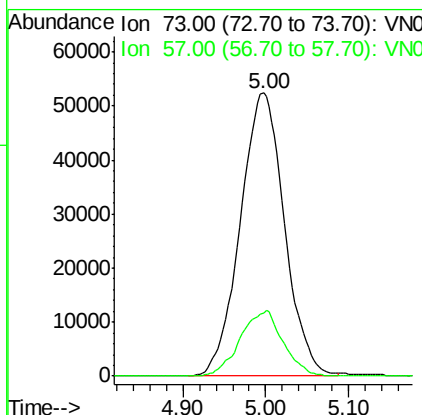
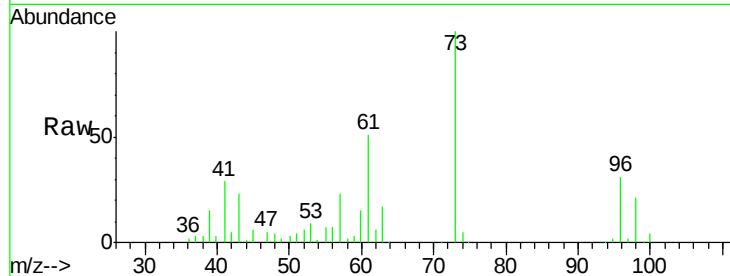
#19
Methvl tert-butvl Ether
Concen: 16.900 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion: 73 Resp: 194173
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

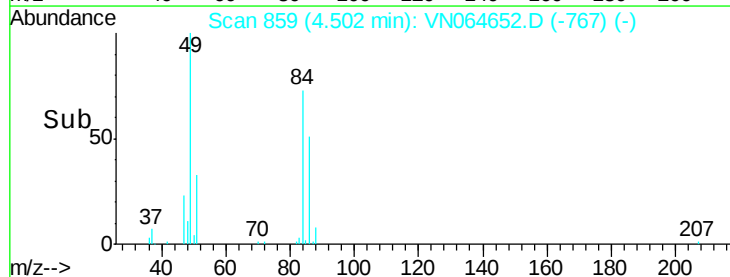
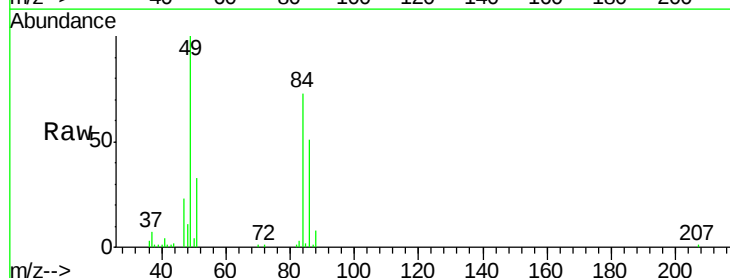
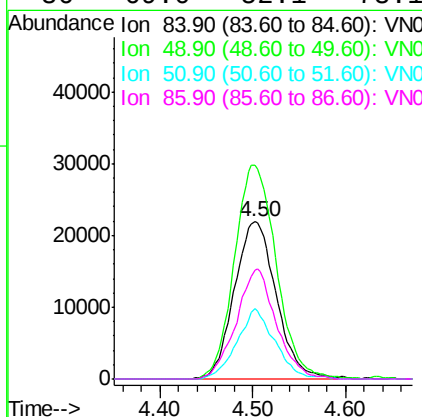
Manual Integrations
APPROVED

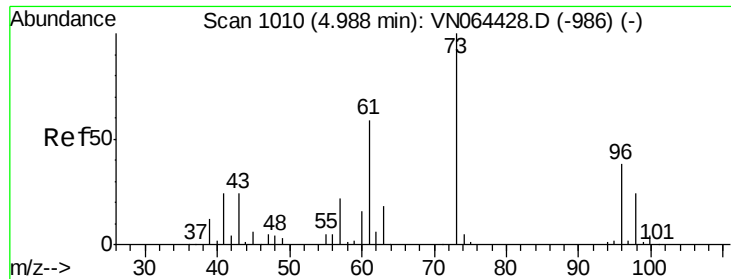
MMDadoda
11/19/2020 5:42:33 PM



#20
Methylene Chloride
Concen: 17.475 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion: 84 Resp: 68668
Ion Ratio Lower Upper
84 100
49 136.1 110.1 165.1
51 45.0 33.6 50.4
86 69.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 16.764 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion: 96 Resp: 60763

Ion Ratio Lower Upper

96 100

61 157.7 122.4 183.6

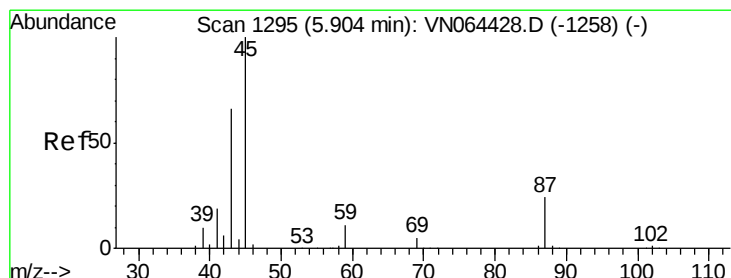
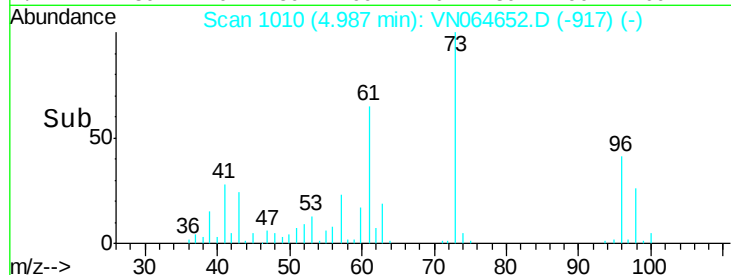
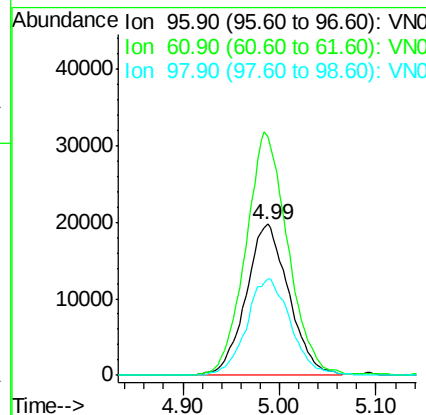
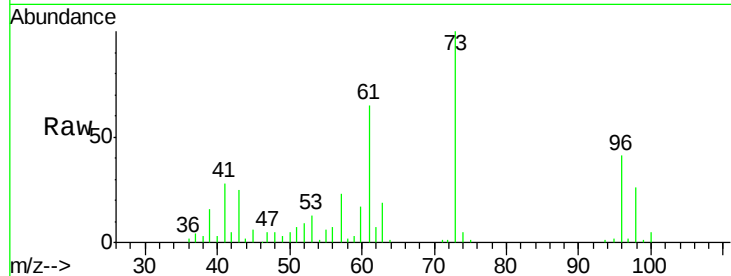
98 63.9 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

11/19/2020 5:42:33 PM



#22

Diisopropyl ether

Concen: 16.470 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Tgt Ion: 45 Resp: 218323

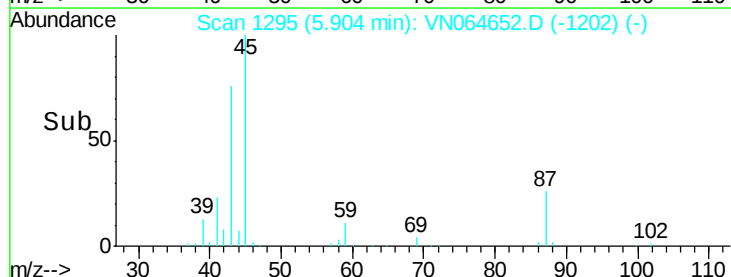
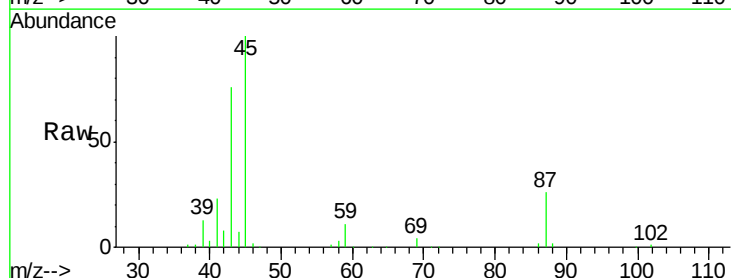
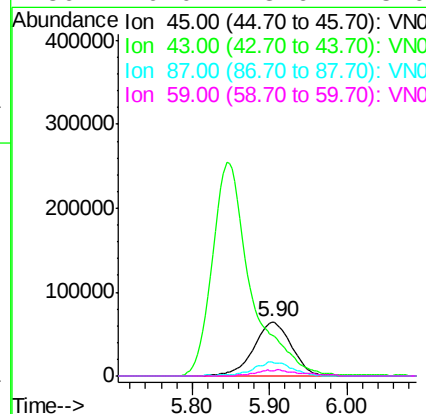
Ion Ratio Lower Upper

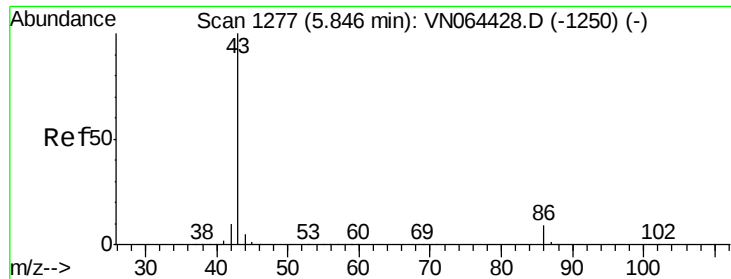
45 100

43 73.3 53.2 79.8

87 26.2 19.9 29.9

59 10.0 8.6 13.0





#23

Vinyl Acetate

Concen: 82.084 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion: 43 Resp: 885170

Ion Ratio Lower Upper

43 100

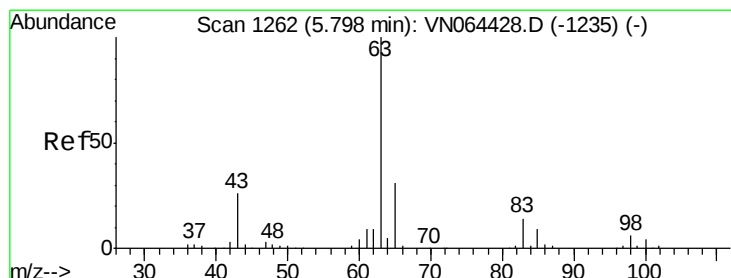
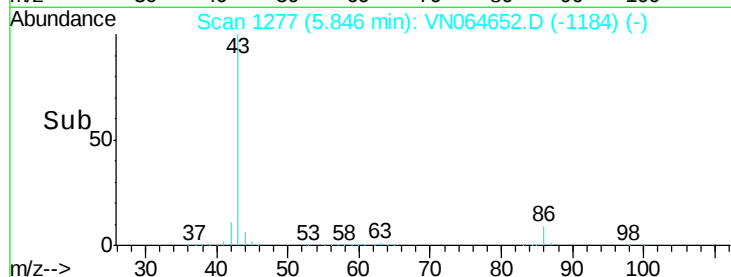
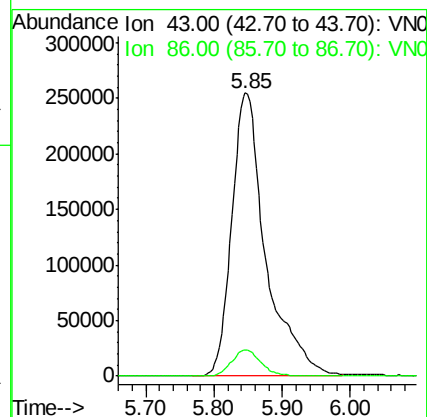
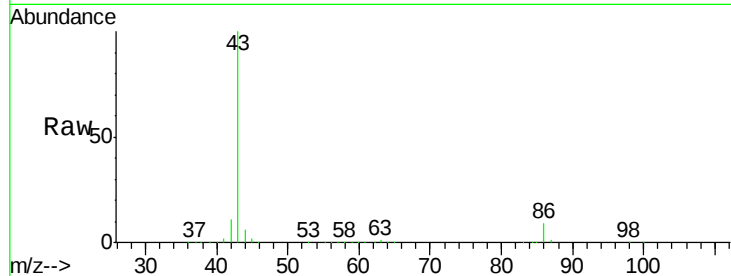
86 9.1 6.8 10.2

Manual Integrations

APPROVED

MMDadoda

11/19/2020 5:42:33 PM



#24

1,1-Dichloroethane

Concen: 17.799 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

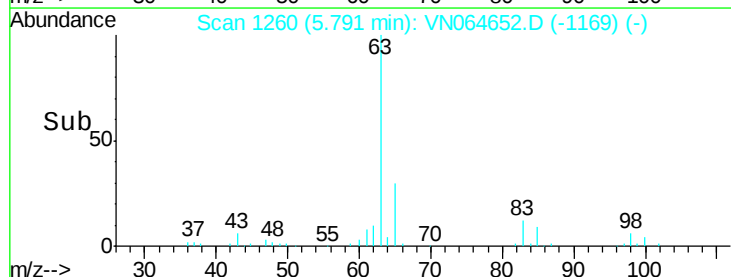
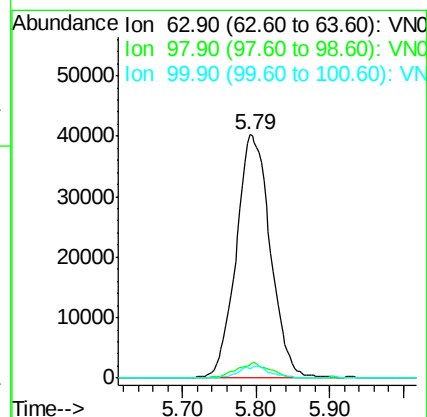
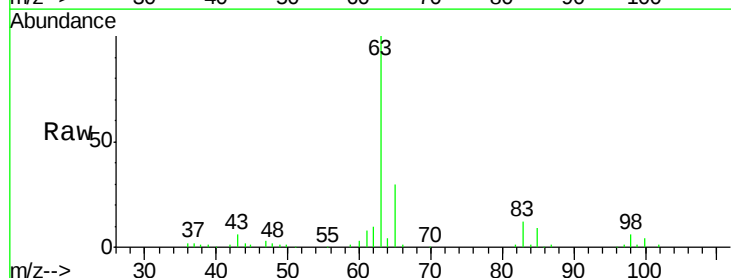
Tgt Ion: 63 Resp: 129656

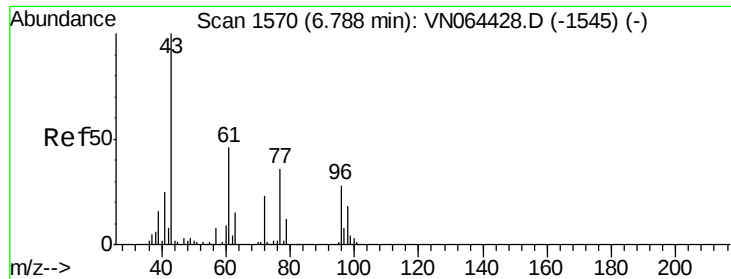
Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.9 1.8 5.3





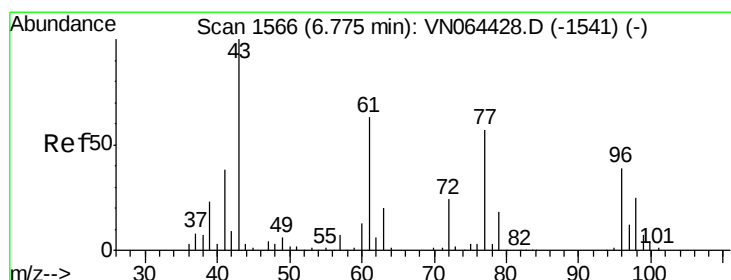
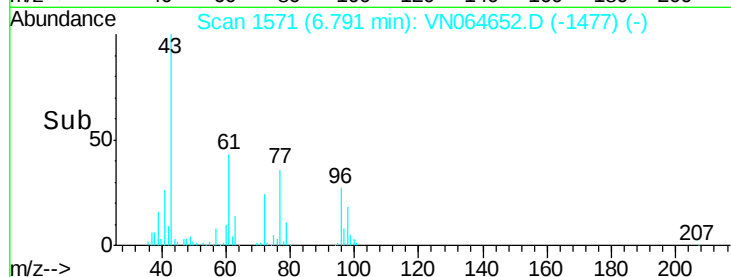
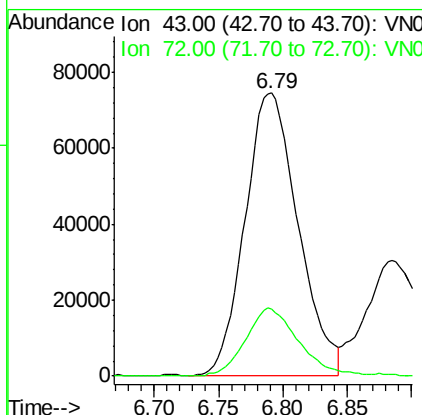
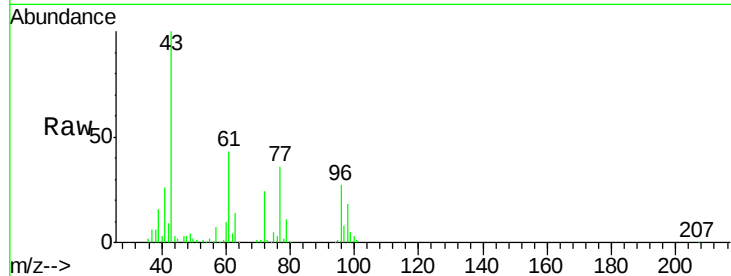
#25
2-Butanone
Concen: 84.248 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion: 43 Resp: 212594
Ion Ratio Lower Upper
43 100
72 23.7 18.5 27.7

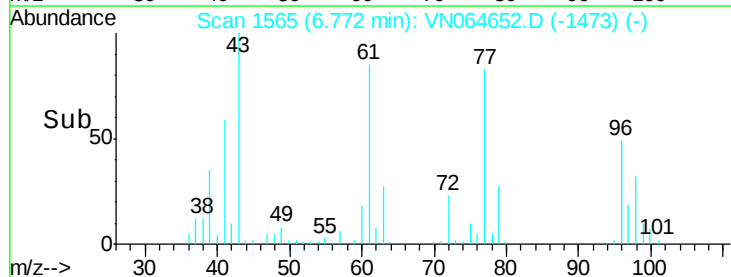
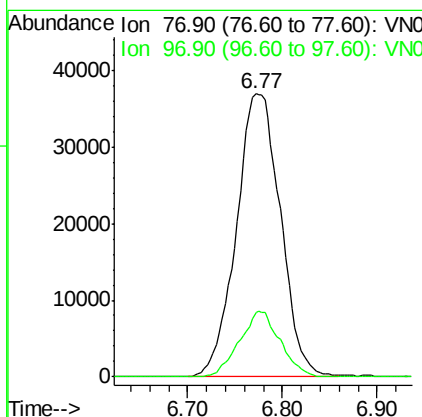
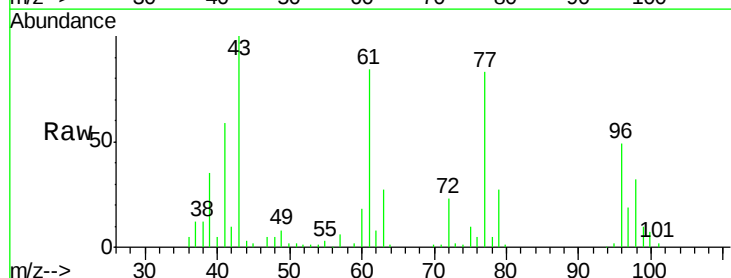
Manual Integrations
APPROVED

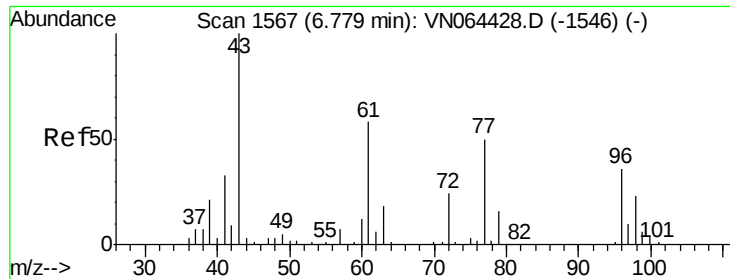
MMDadoda
11/19/2020 5:42:33 PM



#26
2,2-Dichloropropane
Concen: 18.138 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion: 77 Resp: 119605
Ion Ratio Lower Upper
77 100
97 21.3 10.2 30.6





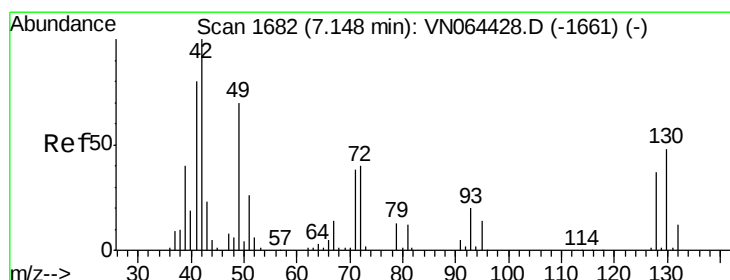
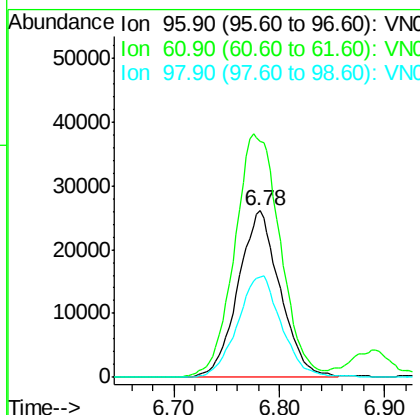
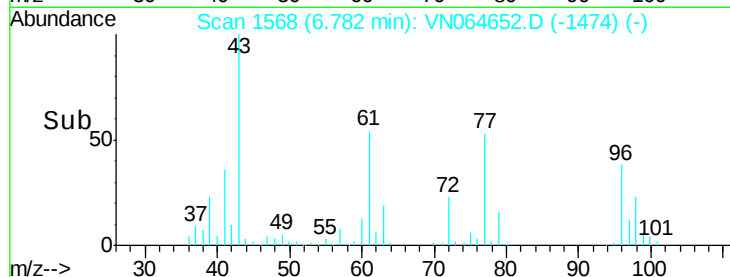
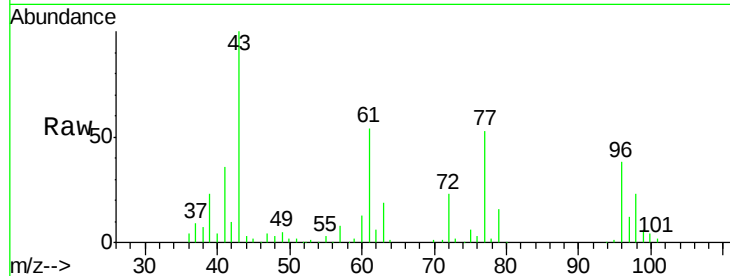
#27
 cis-1,2-Dichloroethene
 Concen: 17.199 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	329.6
98	63.3	0.0	131.2

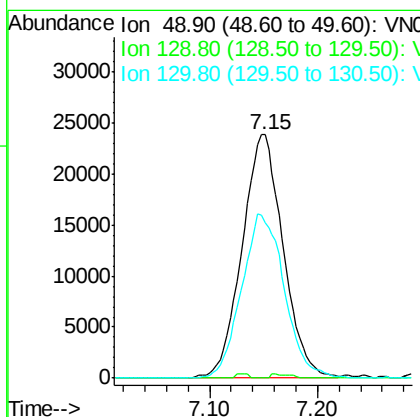
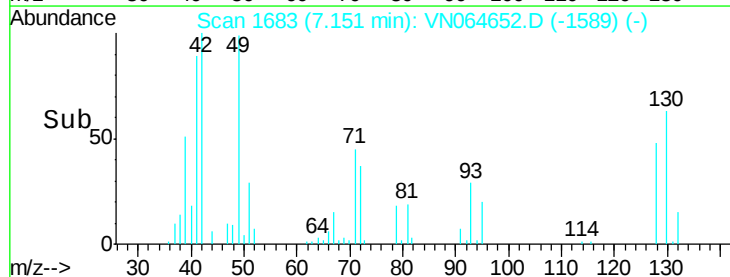
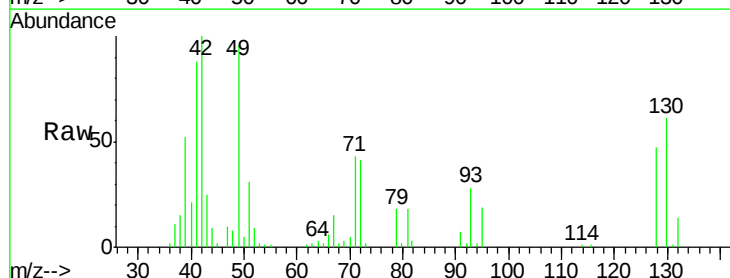
Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 5:42:33 PM



#28
 Bromochloromethane
 Concen: 17.589 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.6
130	70.2	54.2	81.4





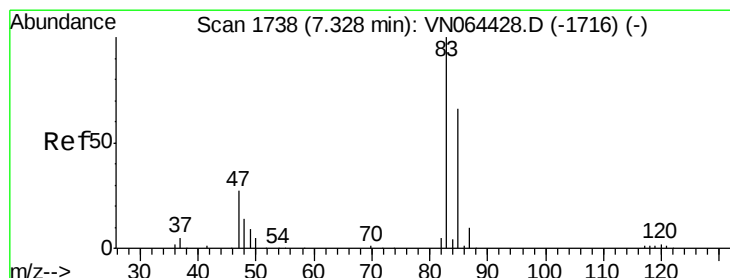
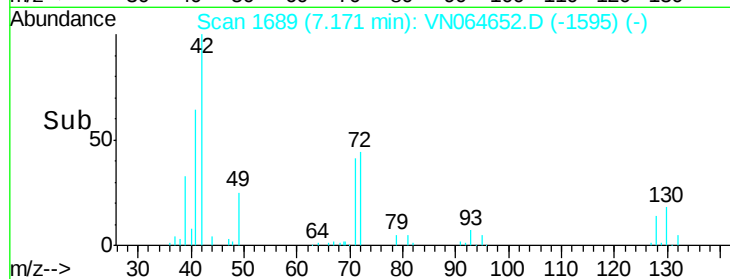
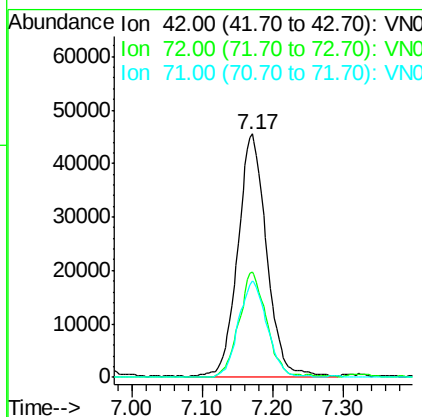
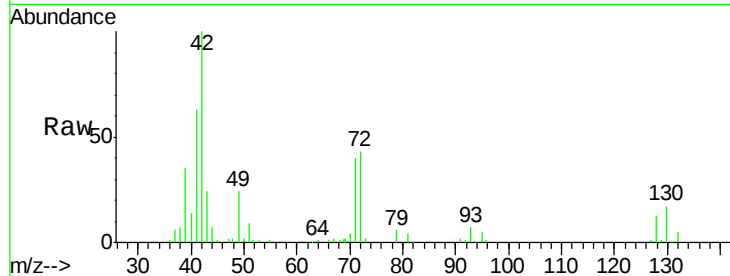
#29
Tetrahydrofuran
Concen: 84.440 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	31.7	47.5
71	38.7	29.8	44.6

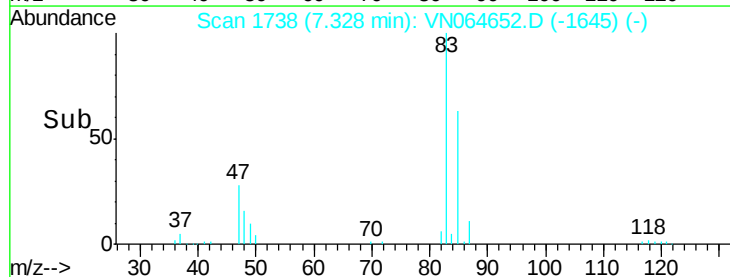
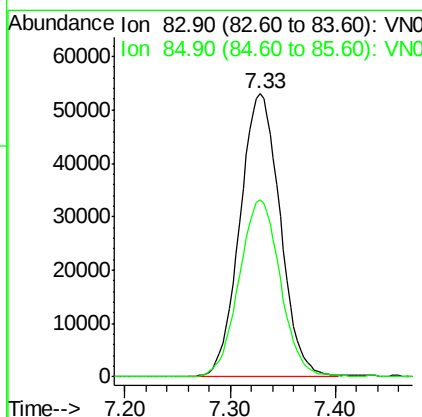
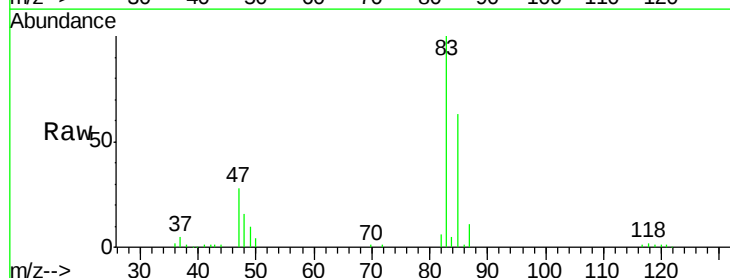
Manual Integrations
APPROVED

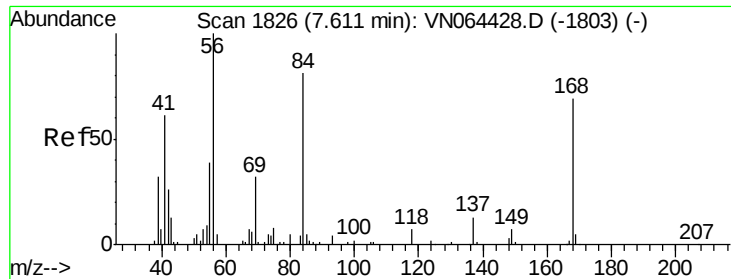
MMDadoda
11/19/2020 5:42:33 PM



#30
Chloroform
Concen: 18.410 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.5	78.7





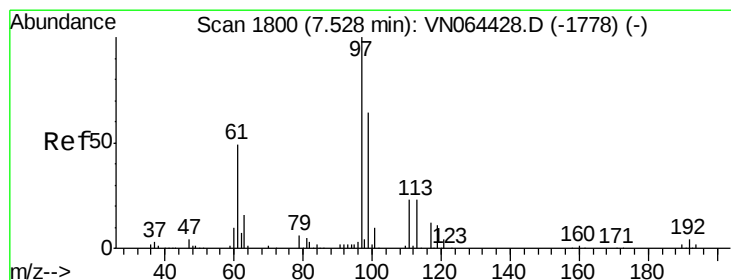
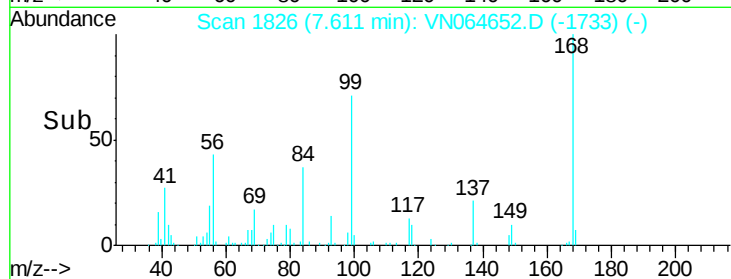
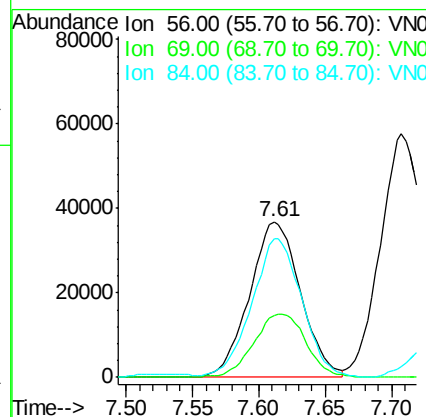
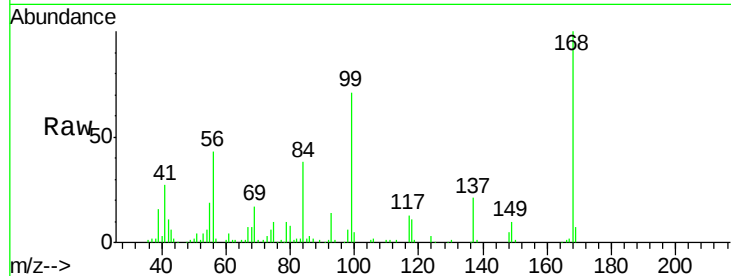
#31
Cyclohexane
Concen: 15.591 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	25.6	38.4#
84	88.2	63.0	94.6

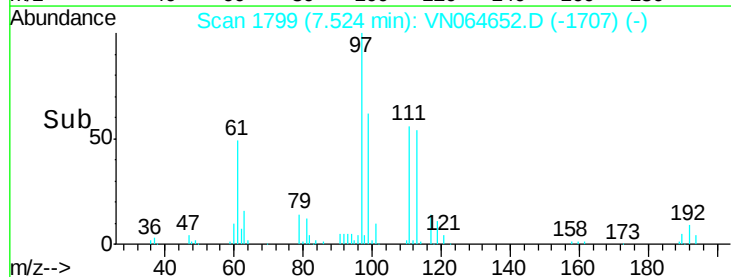
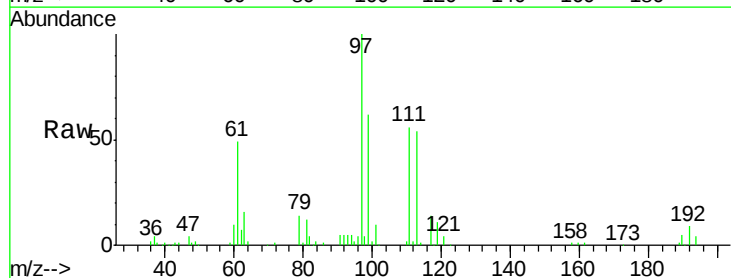
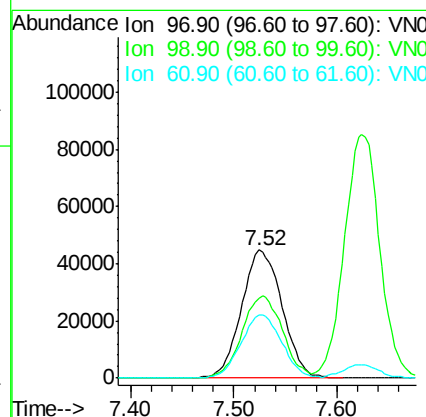
Manual Integrations
APPROVED

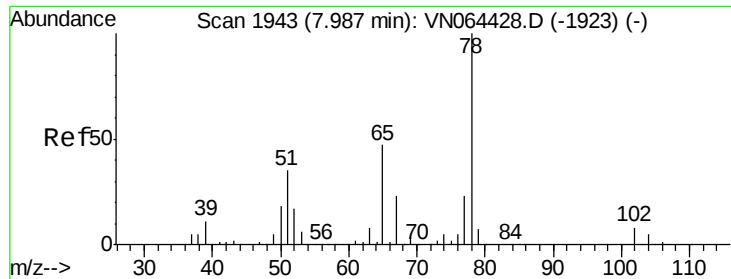
MMDadoda
11/19/2020 5:42:33 PM



#32
1,1,1-Trichloroethane
Concen: 18.116 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	49.4	39.1	58.7





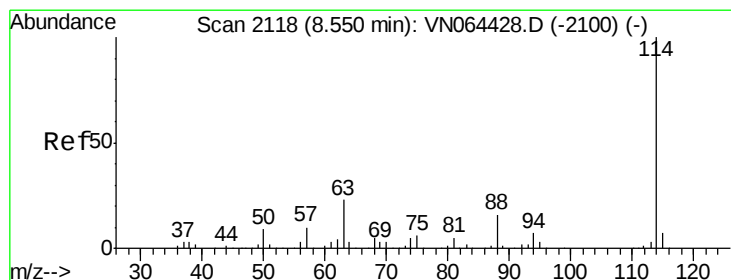
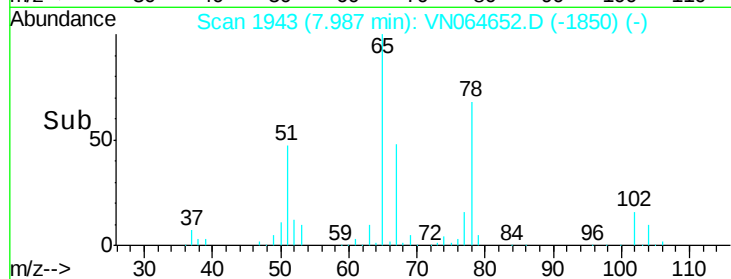
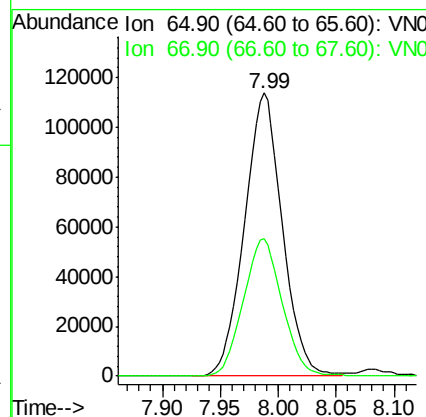
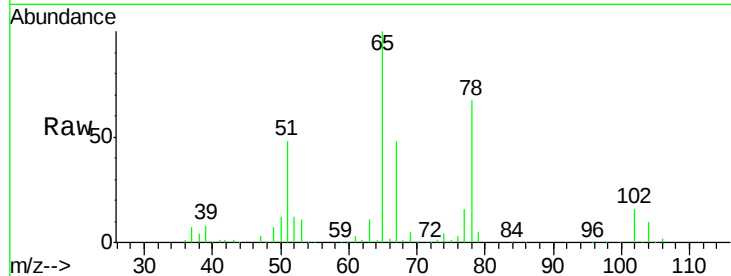
#33
 1,2-Dichloroethane-d4
 Concen: 49.712 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.7	0.0	101.6	

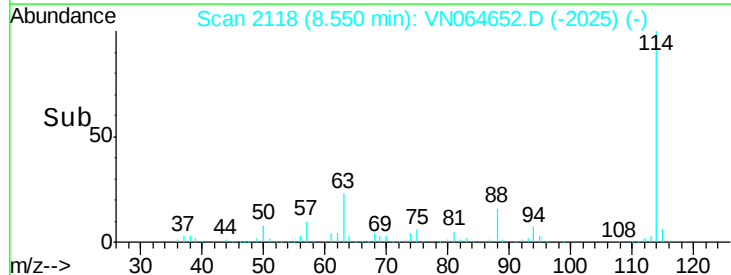
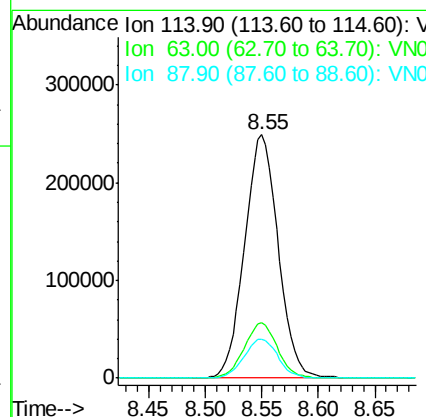
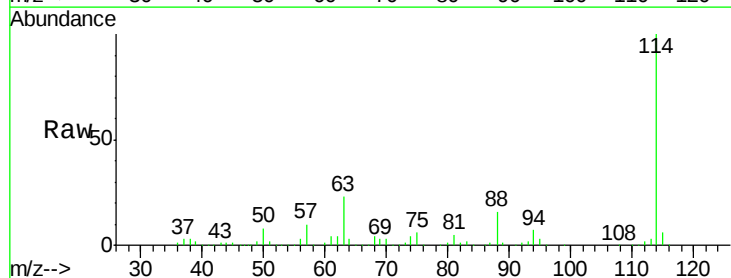
Manual Integrations
 APPROVED

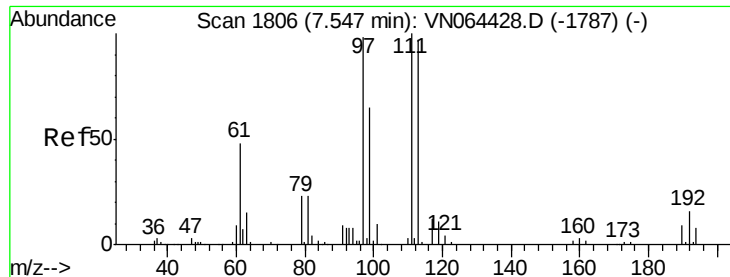
MMDadoda
 11/19/2020 5:42:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	45.6	
88	16.1	0.0	32.8	





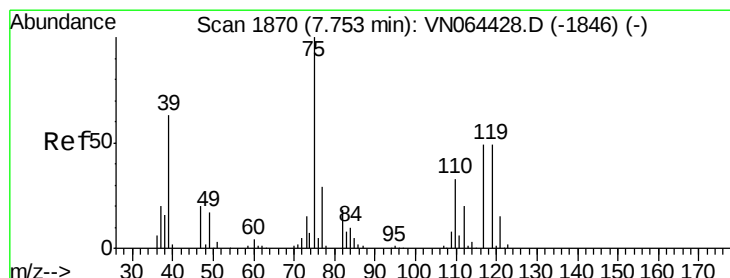
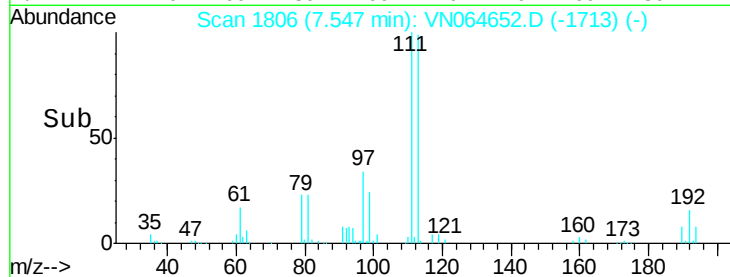
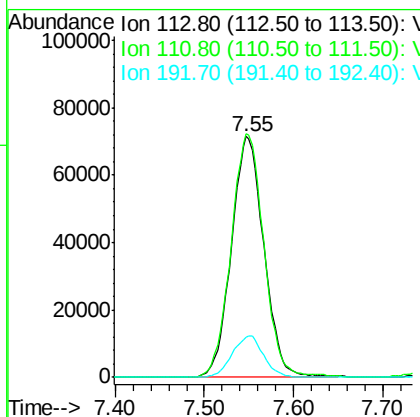
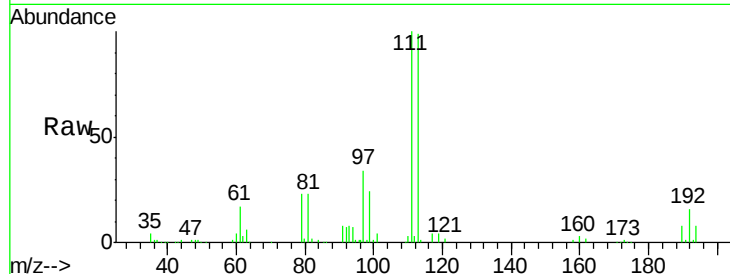
#35
 Dibromofluoromethane
 Concen: 51.231 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179752		
111	101.6	81.1	121.7	
192	16.7	12.8	19.2	

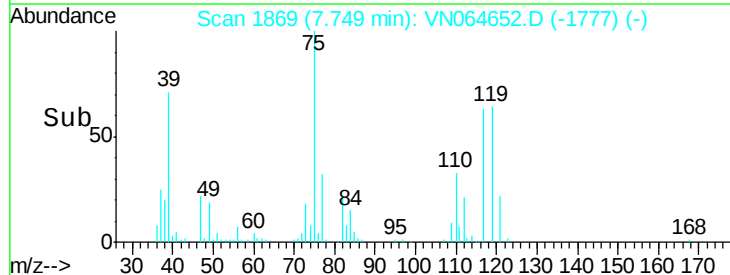
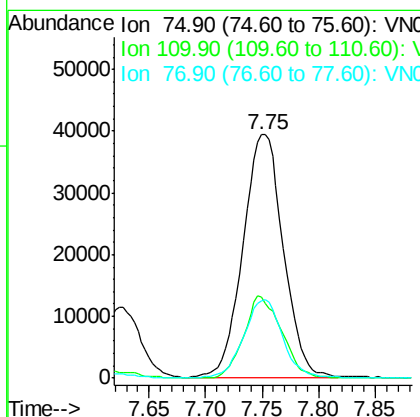
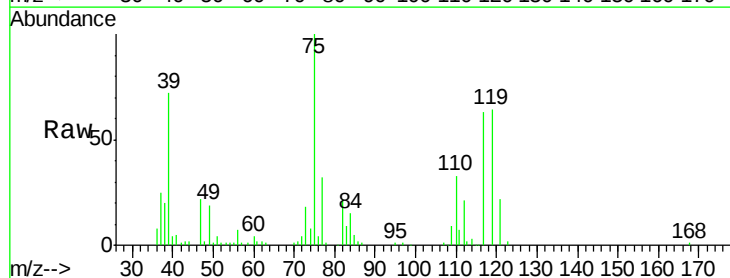
Manual Integrations
 APPROVED

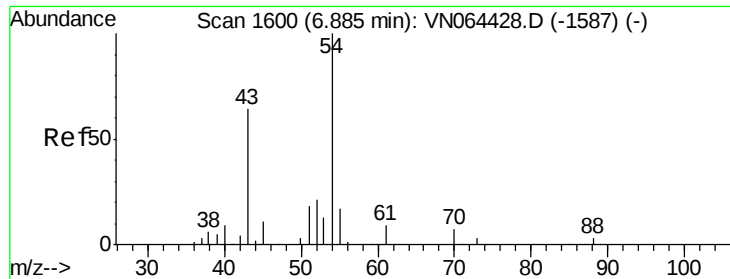
MMDadoda
 11/19/2020 5:42:33 PM



#36
 1,1-Dichloropropene
 Concen: 18.067 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98360		
110	31.4	16.0	48.0	
77	31.1	24.0	36.0	





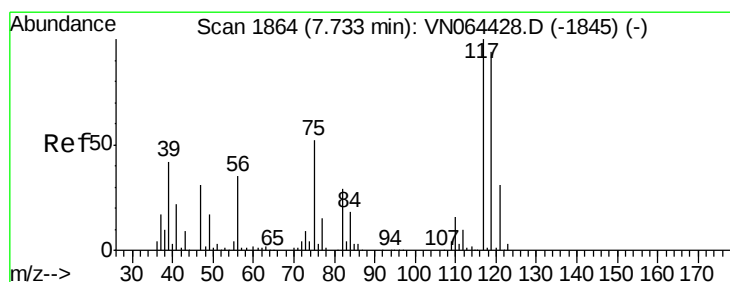
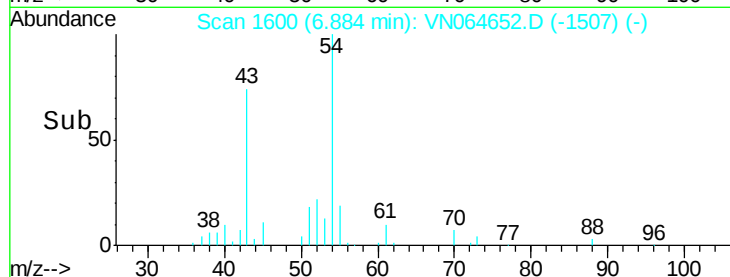
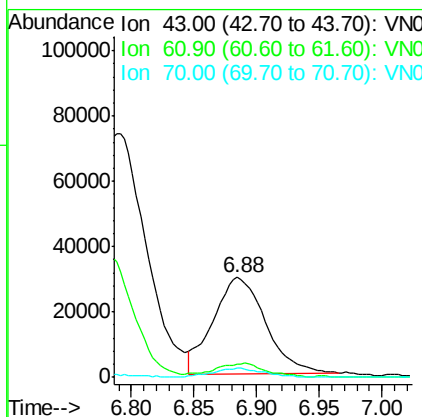
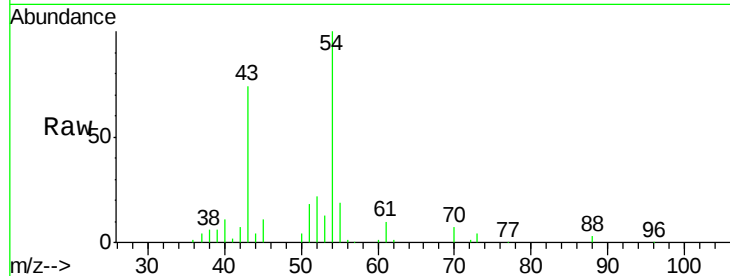
#37
Ethyl Acetate
Concen: 16.138 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	43	61	70
Resp	86273		
Ratio	100	13.6	8.2
Lower		10.0	7.1
Upper		15.0	10.7

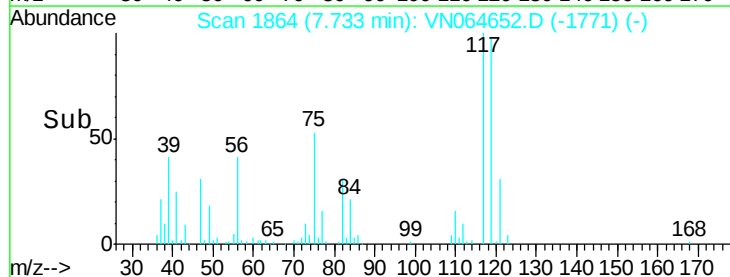
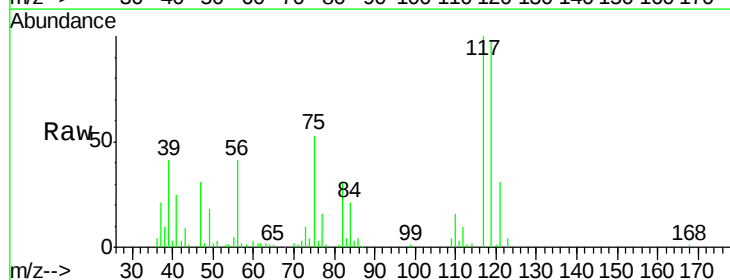
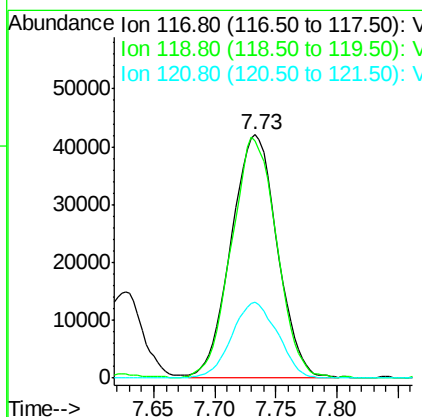
Manual Integrations
APPROVED

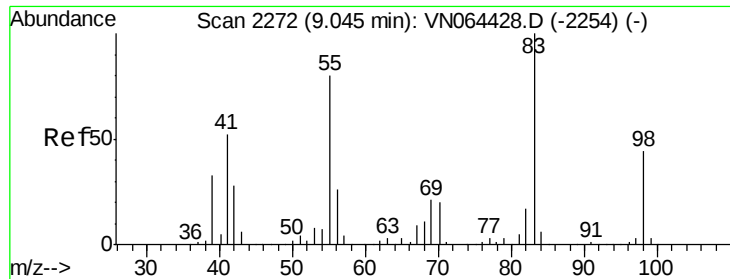
MMDadoda
11/19/2020 5:42:33 PM



#38
Carbon Tetrachloride
Concen: 18.794 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	117	119	121
Resp	109347		
Ratio	100	98.0	31.5
Lower		75.5	24.4
Upper		113.3	36.6





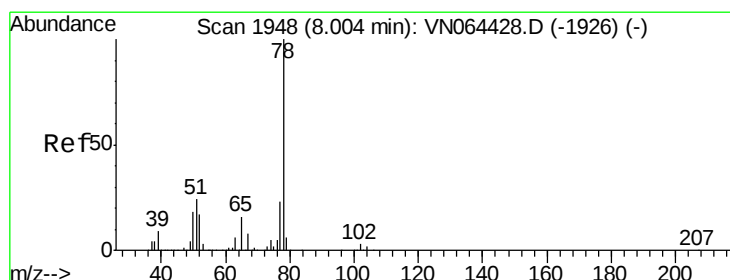
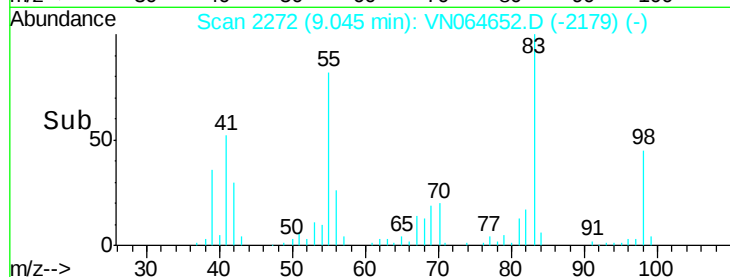
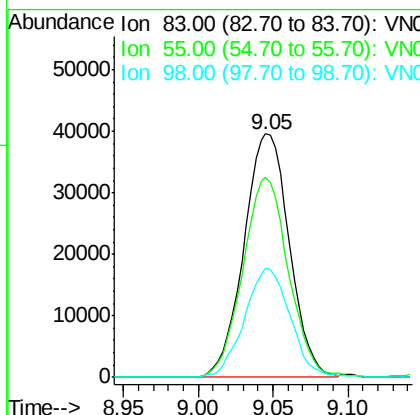
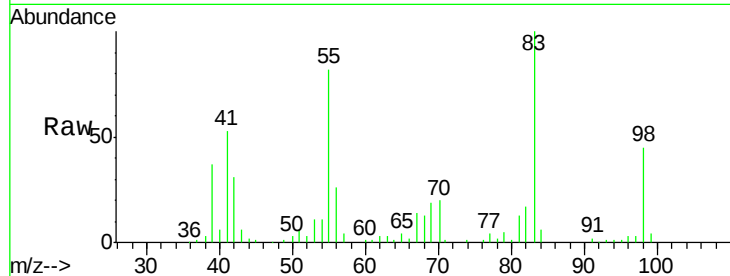
#39
Methvlcvclohexane
Concen: 17.117 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	63.8	95.6
98	44.8	35.4	53.2

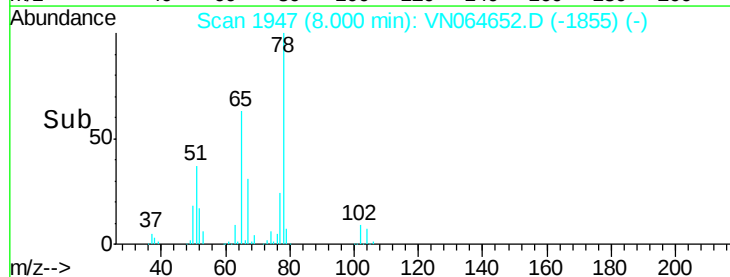
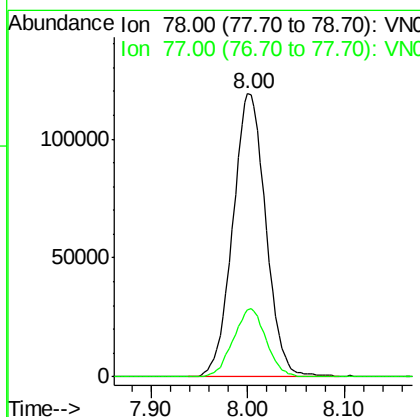
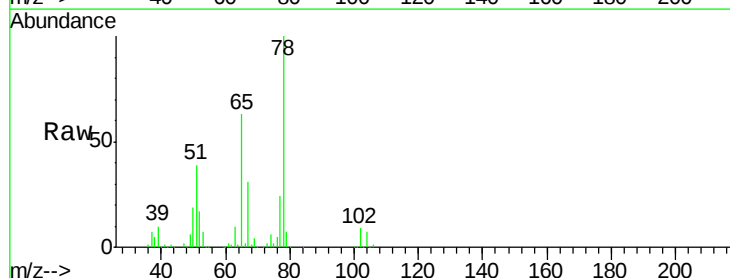
Manual Integrations
APPROVED

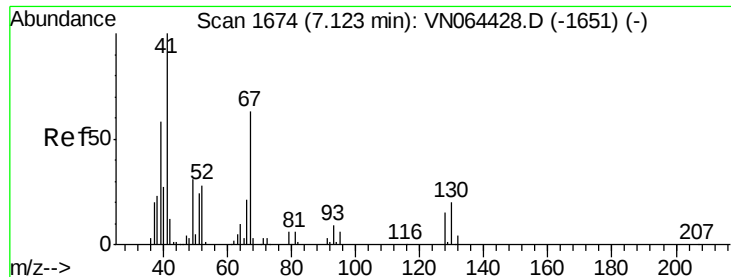
MMDadoda
11/19/2020 5:42:33 PM



#40
Benzene
Concen: 17.659 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





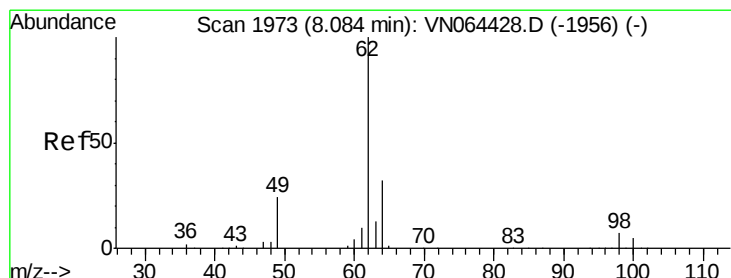
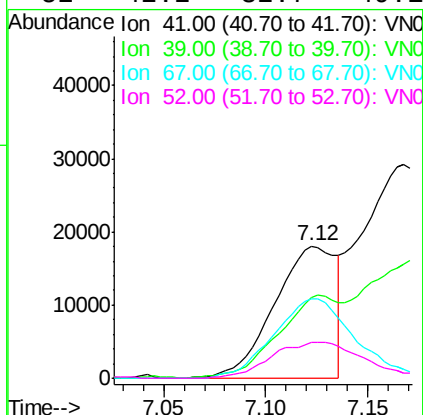
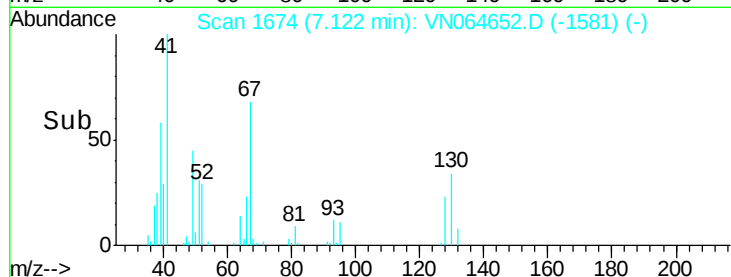
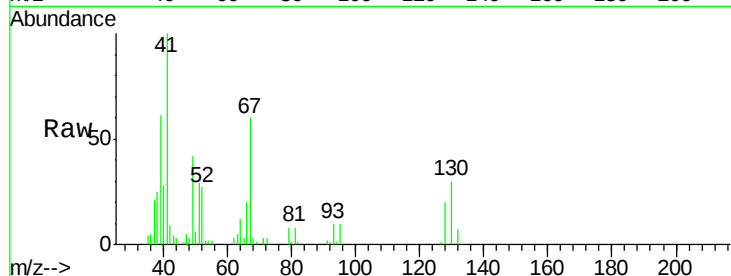
#41
Methacrylonitrile
Concen: 15.688 ug/l m
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	41	Resp	37865
Ion	Ratio	Lower	Upper
41	100		
39	59.4	50.0	75.0
67	78.2	68.3	102.5
52	42.2	32.7	49.1

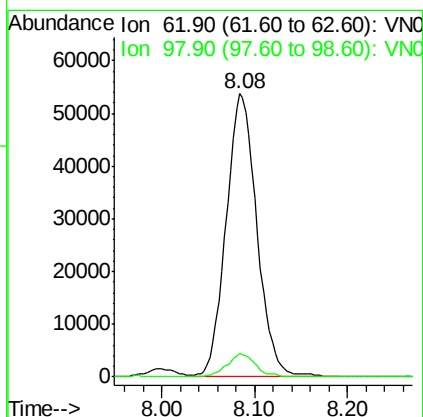
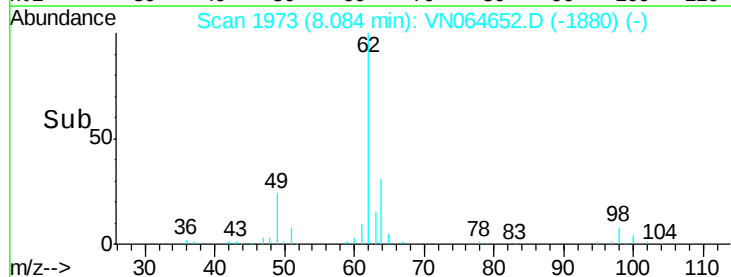
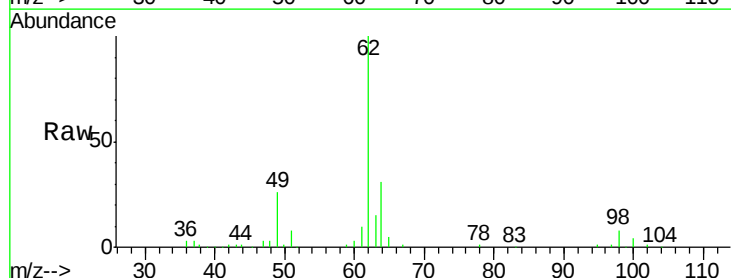
Manual Integrations
APPROVED

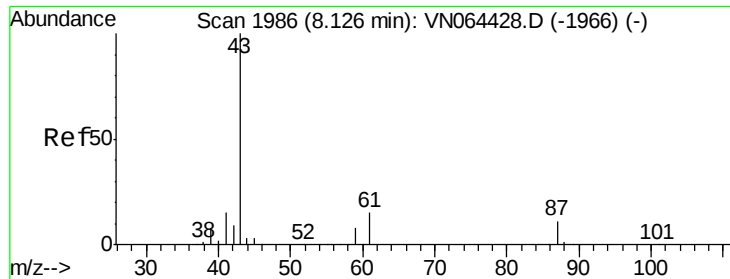
MMDadoda
11/19/2020 5:42:33 PM



#42
1,2-Dichloroethane
Concen: 19.172 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	62	Resp	123774
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	14.0





#43

Isopropyl Acetate

Concen: 16.998 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

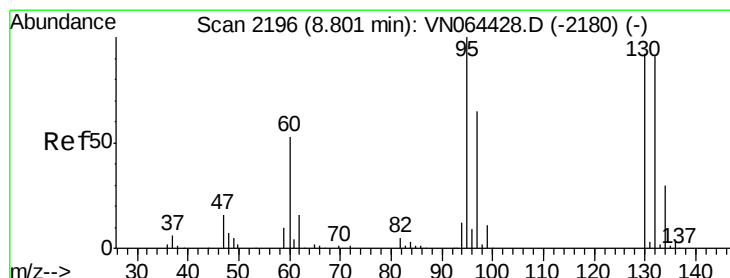
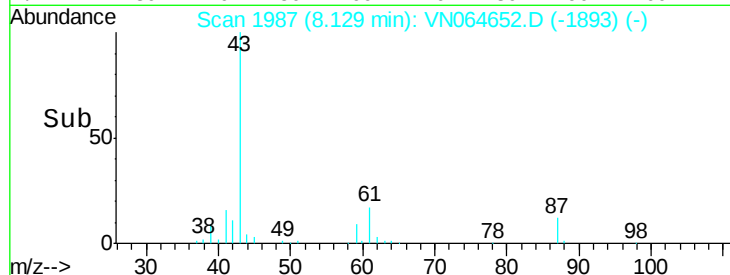
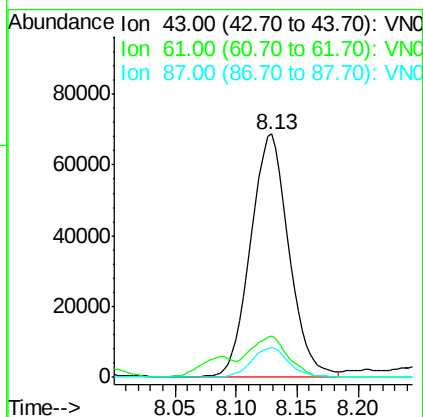
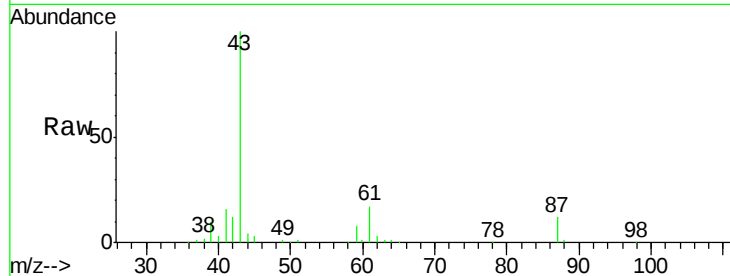
ClientSampleId :

VN1116MBS01

Tot Ion:	43	Resp:	149965
Ion	Ratio	Lower	Upper
43	100		
61	16.7	14.0	21.0
87	11.8	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/19/2020 5:42:33 PM



#44

Trichloroethene

Concen: 18.138 ug/l

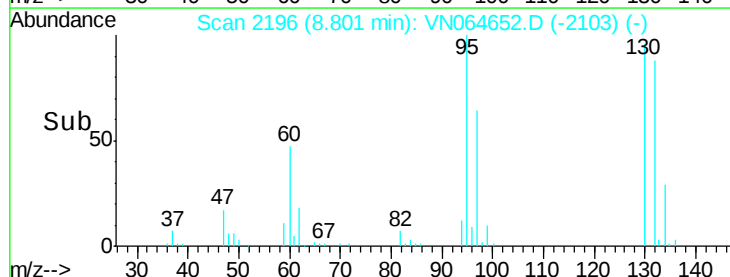
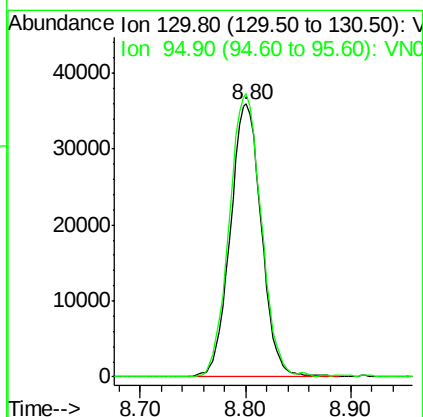
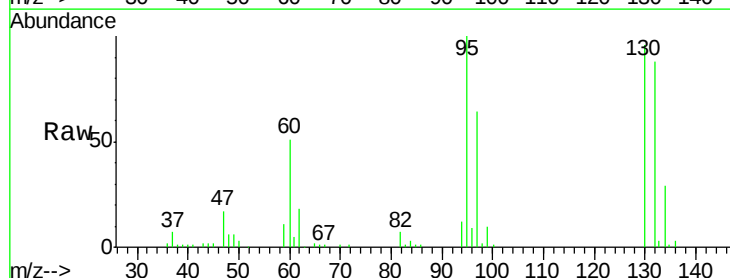
RT: 8.80 min Scan# 2196

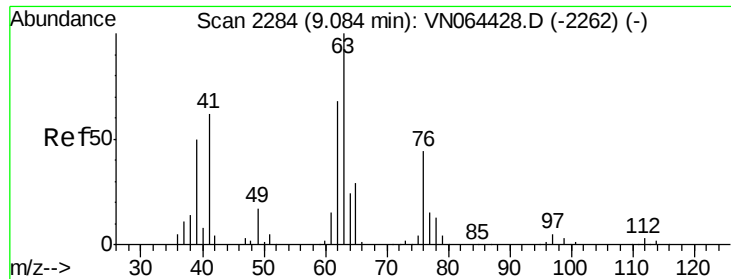
Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Tgt Ion:	130	Resp:	73206
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	216.8





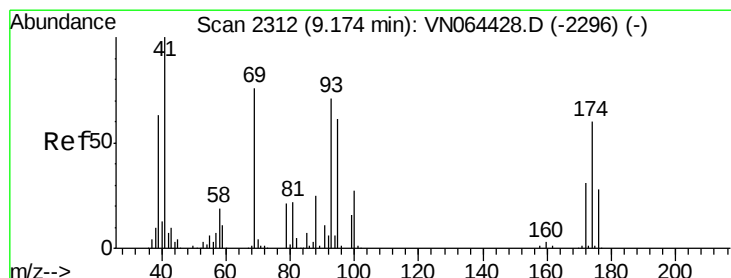
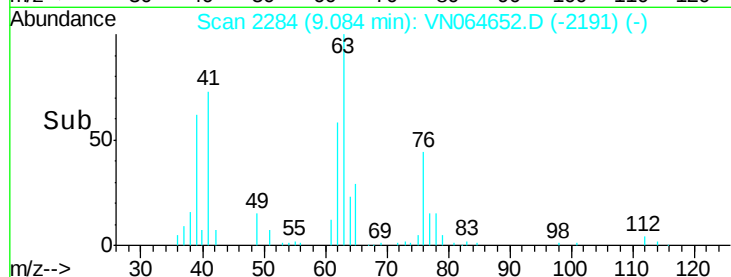
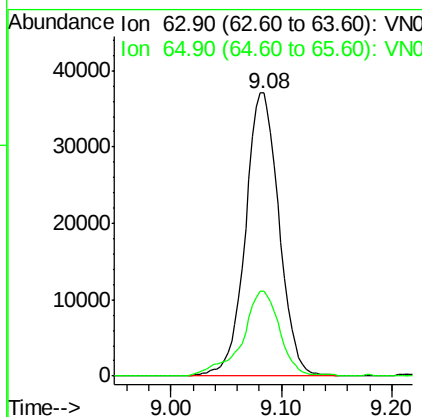
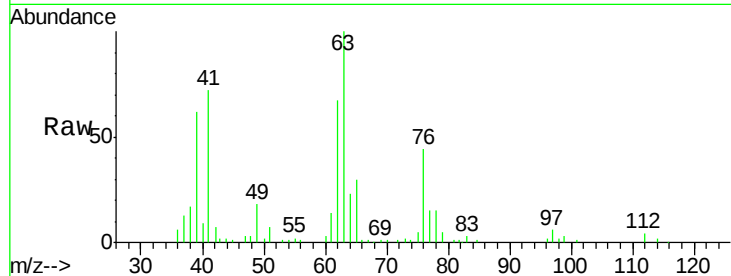
#45
 1,2-Dichloropropane
 Concen: 18.309 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion: 63 Resp: 78150
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.6 35.4

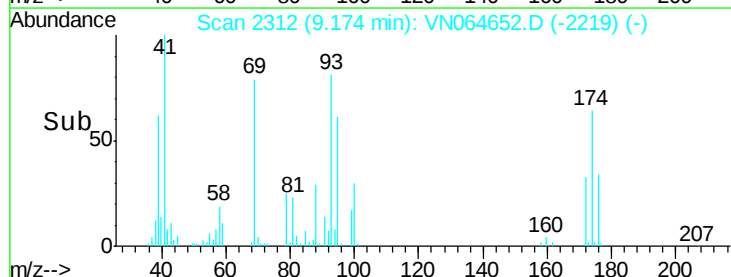
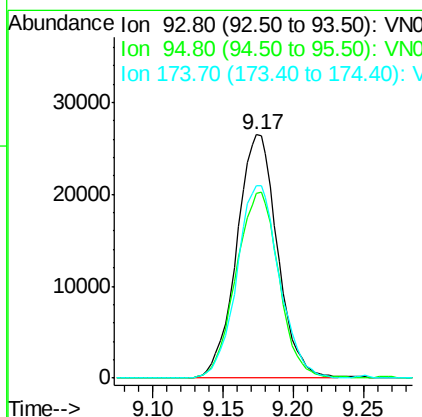
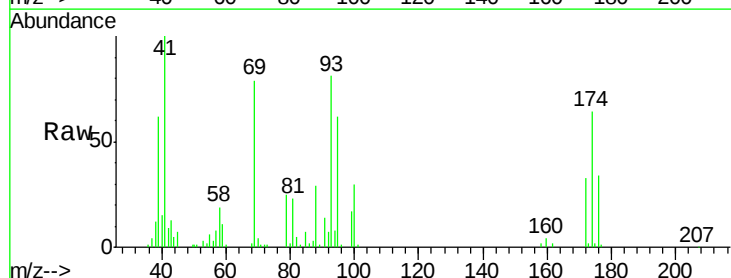
Manual Integrations
 APPROVED

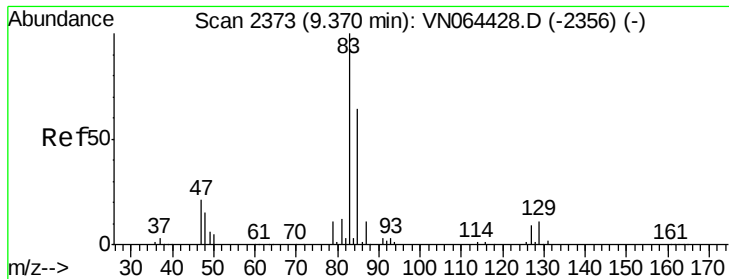
MMDadoda
 11/19/2020 5:42:33 PM



#46
 Dibromomethane
 Concen: 19.110 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion: 93 Resp: 53698
 Ion Ratio Lower Upper
 93 100
 95 79.6 66.4 99.6
 174 82.0 67.2 100.8





#47

Bromodichloromethane

Concen: 18.927 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

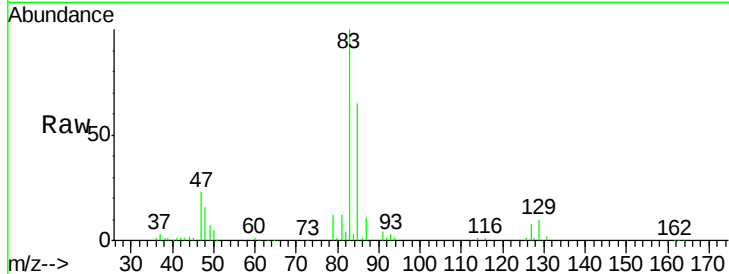
ClientSampleId :

VN1116MBS01

Tot Ion:	83	Resp:	114356
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	8.2	6.9	10.3

Manual Integrations
APPROVED

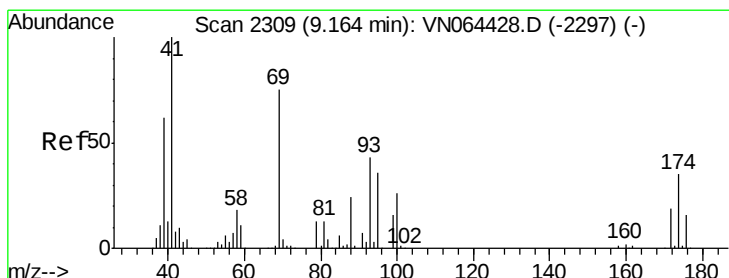
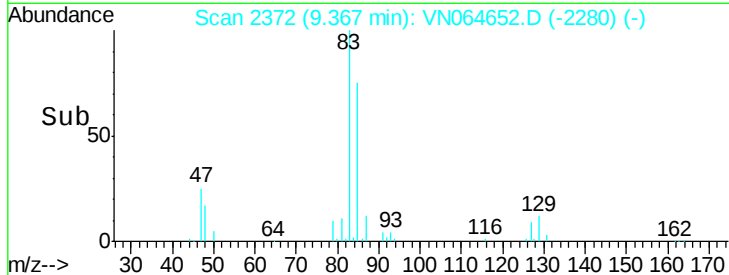
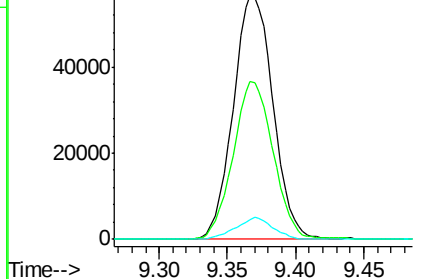
MMDadoda
11/19/2020 5:42:33 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064428.D (-2356) (-)



#48

Methyl methacrylate

Concen: 16.554 ug/l

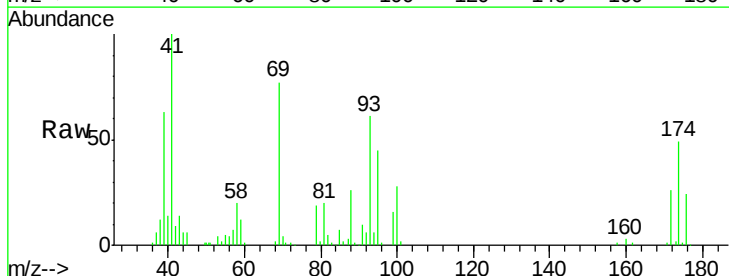
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

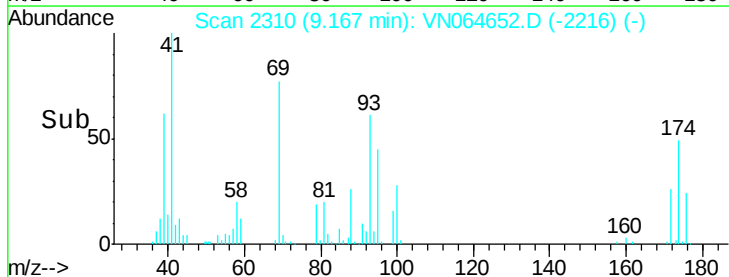
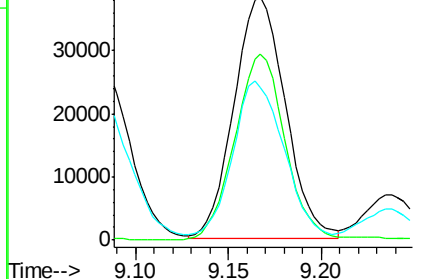
Tgt Ion:	41	Resp:	73695
Ion Ratio	Lower	Upper	
41	100		
69	75.1	60.4	90.6
39	65.7	51.2	76.8

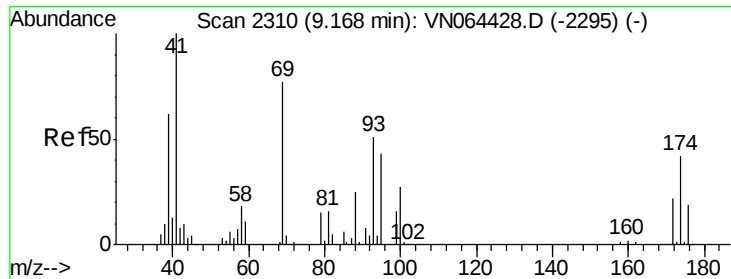


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2297) (-)





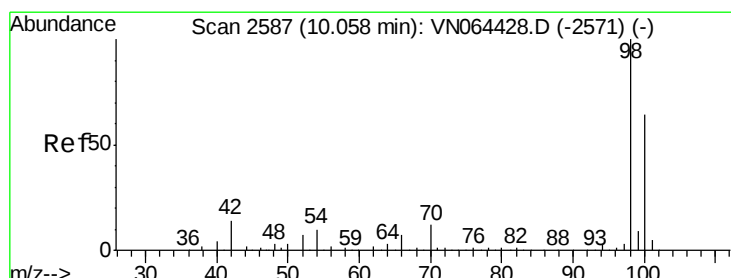
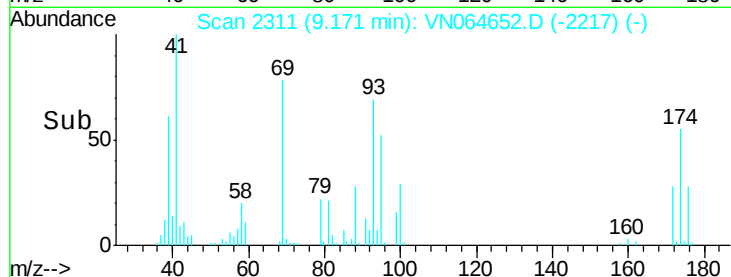
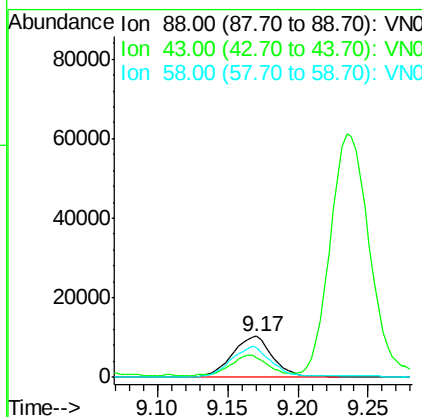
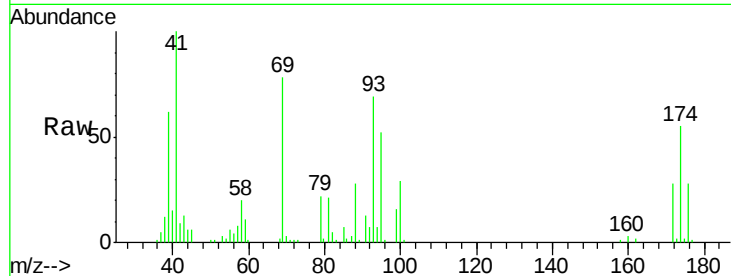
#49
1,4-Dioxane
Concen: 357.654 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.1	31.0	46.6
58	74.3	58.4	87.6

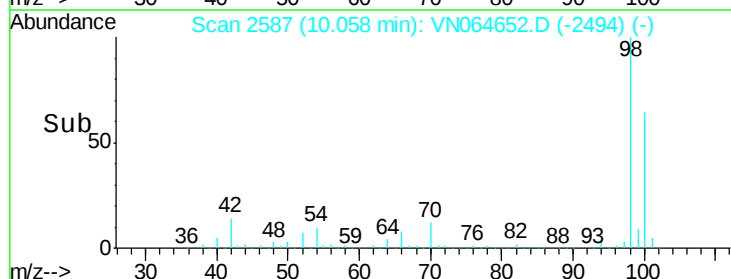
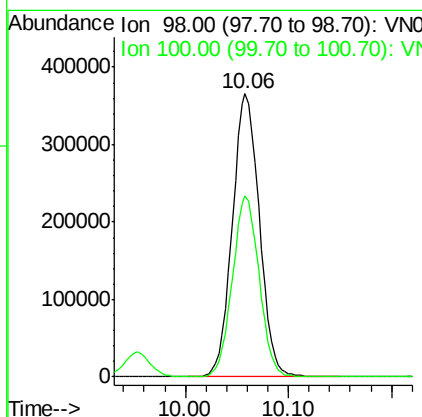
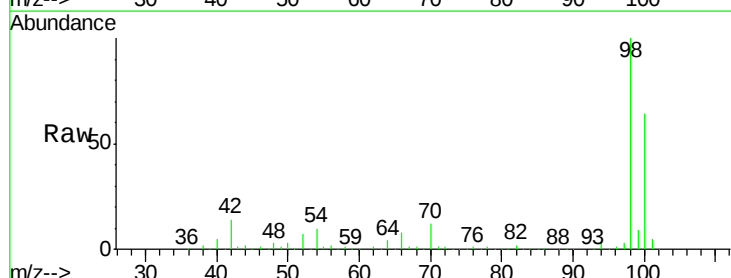
Manual Integrations
APPROVED

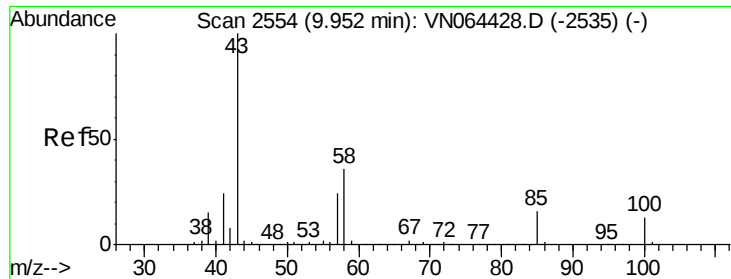
MMDadoda
11/19/2020 5:42:33 PM



#50
Toluene-d8
Concen: 49.326 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 89.912 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion: 43 Resp: 462601

Ion Ratio Lower Upper

43 100

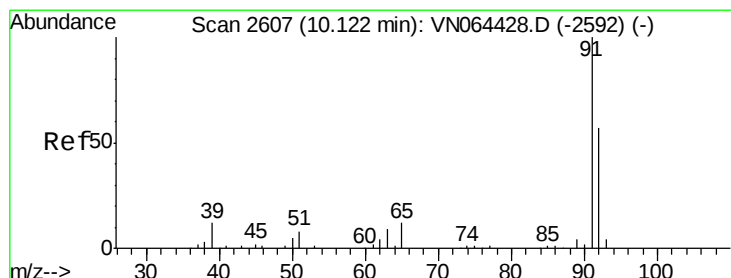
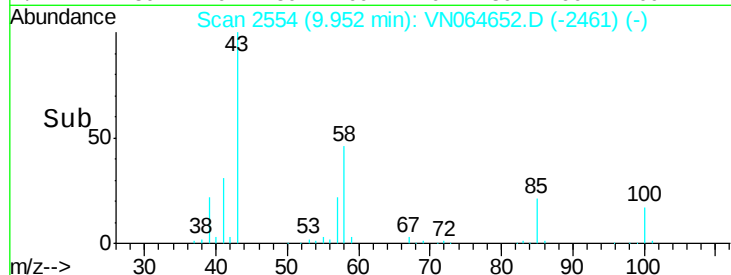
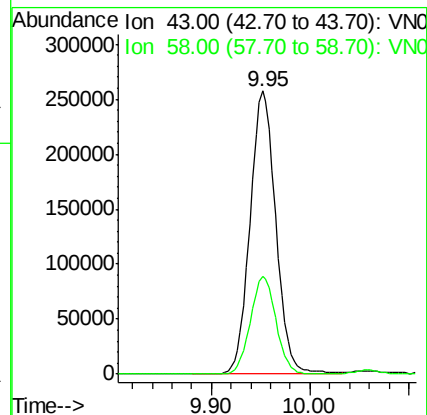
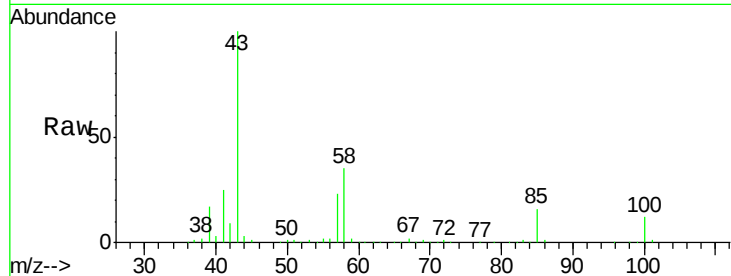
58 34.4 28.4 42.6

Manual Integrations

APPROVED

MMDadoda

11/19/2020 5:42:33 PM



#52

Toluene

Concen: 17.901 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064652.D

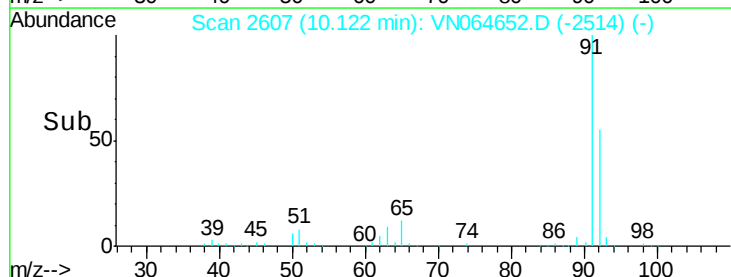
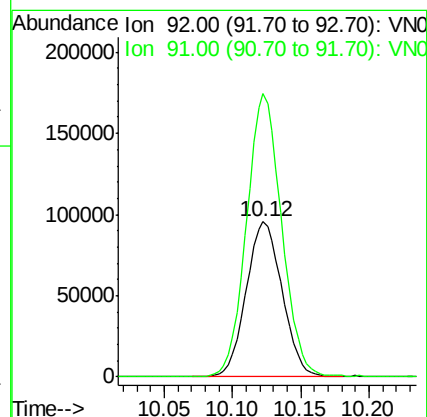
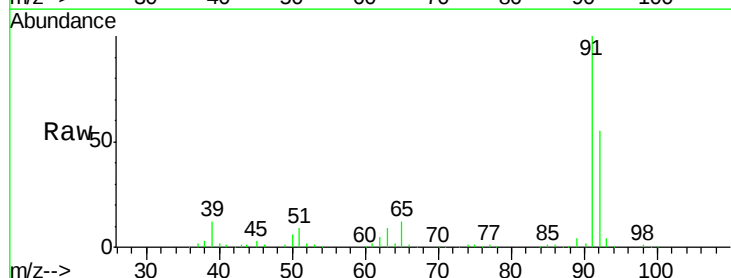
Acq: 16 Nov 2020 10:47

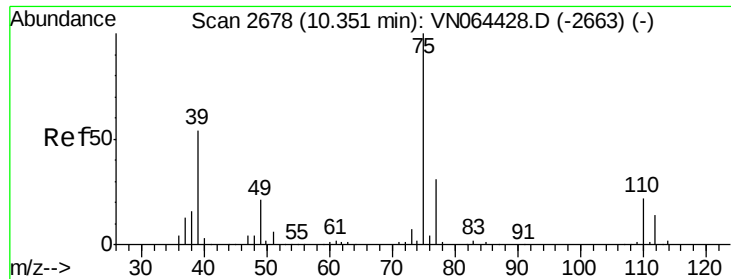
Tgt Ion: 92 Resp: 174665

Ion Ratio Lower Upper

92 100

91 178.2 139.6 209.4





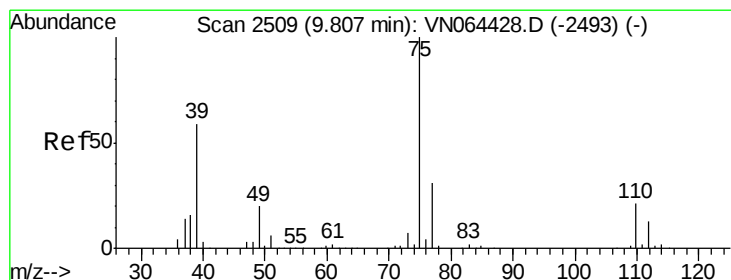
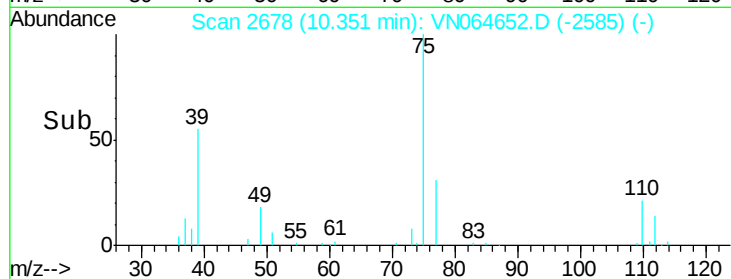
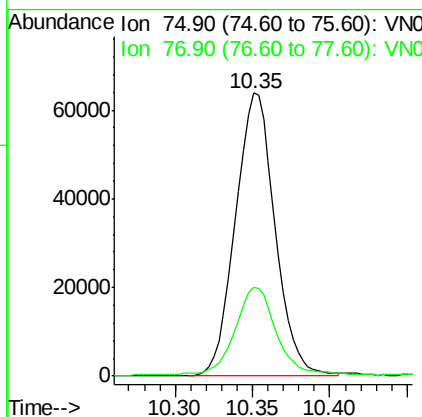
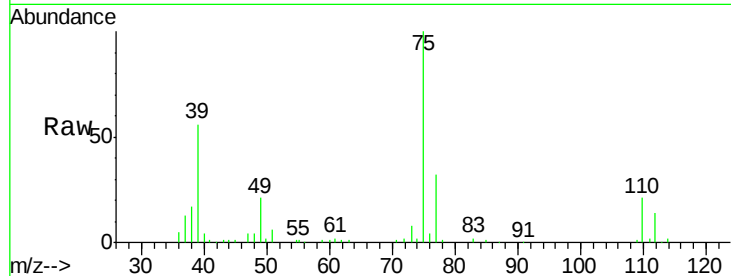
#53
 t-1,3-Dichloropropene
 Concen: 17.782 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion: 75 Resp: 113901
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.8 37.2

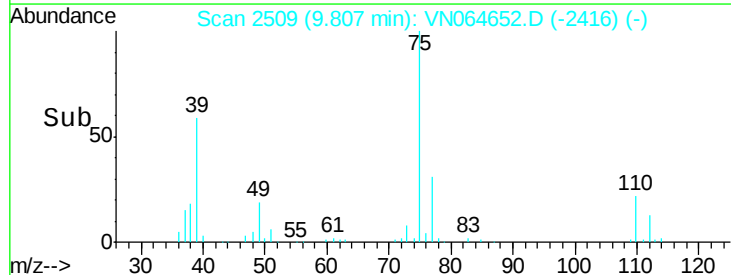
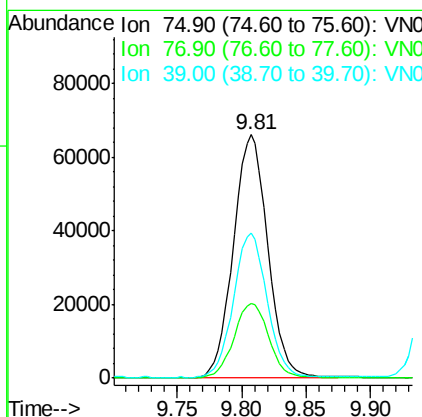
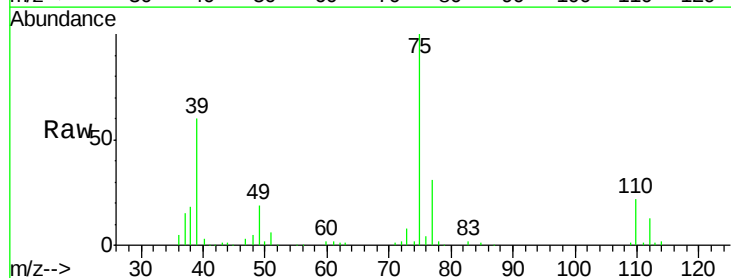
Manual Integrations
 APPROVED

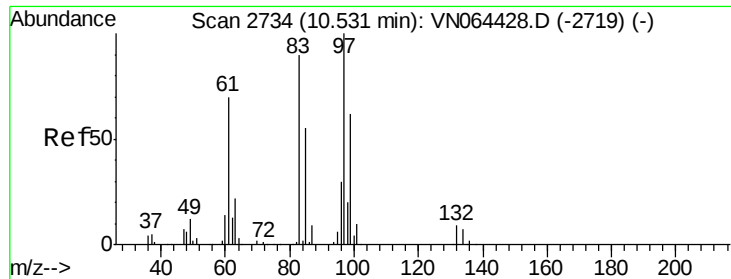
MMDadoda
 11/19/2020 5:42:33 PM



#54
 cis-1,3-Dichloropropene
 Concen: 17.957 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion: 75 Resp: 122976
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.9 37.3
 39 59.3 47.1 70.7





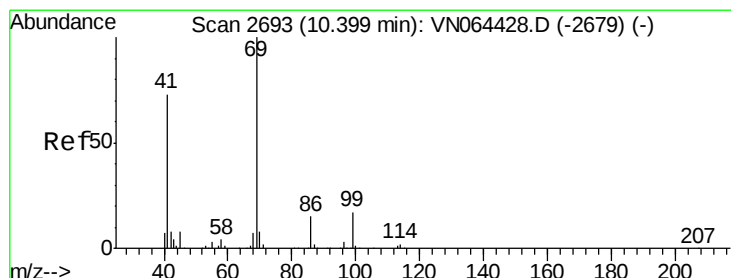
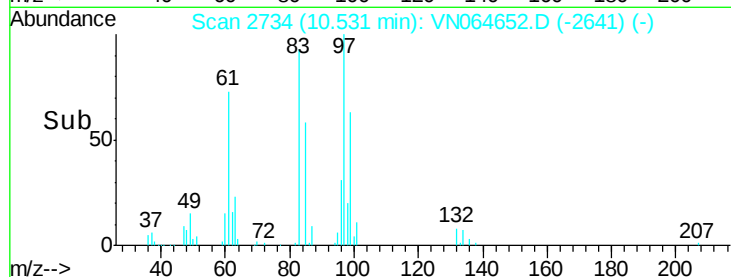
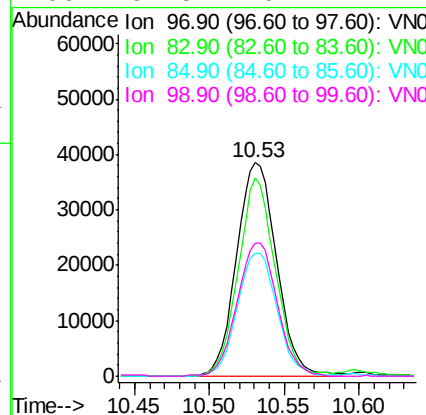
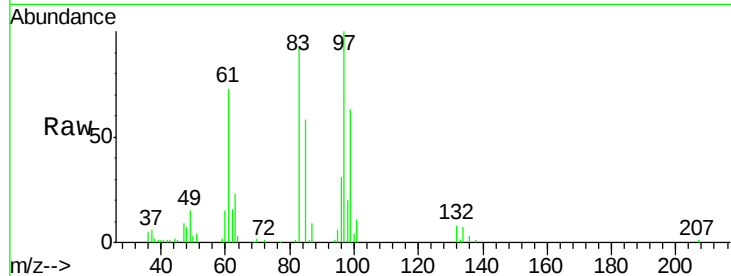
#55
 1,1,2-Trichloroethane
 Concen: 18.848 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion:	97	Resp:	71722
Ion	Ratio	Lower	Upper
97	100		
83	92.5	71.7	107.5
85	57.8	44.3	66.5
99	62.5	49.4	74.2

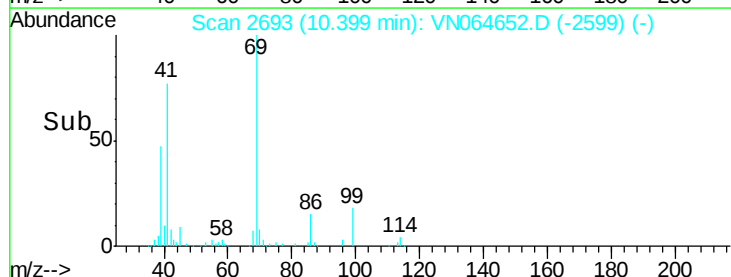
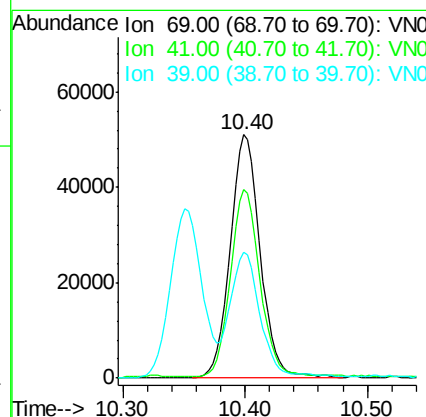
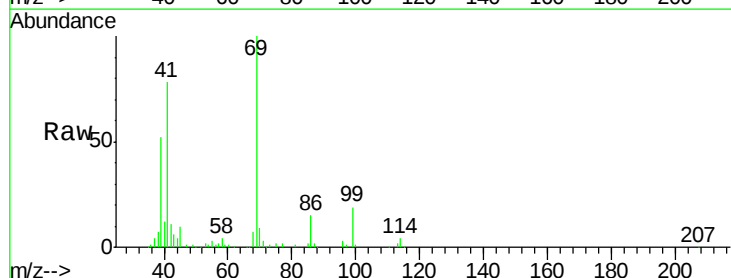
Manual Integrations
 APPROVED

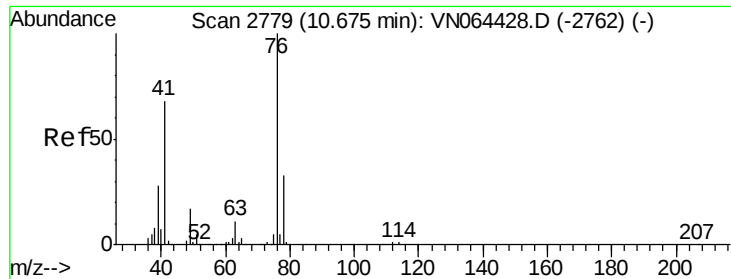
MMDadoda
 11/19/2020 5:42:33 PM



#56
 Ethyl methacrylate
 Concen: 15.391 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion:	69	Resp:	88078
Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.3	88.9
39	51.2	35.4	53.0





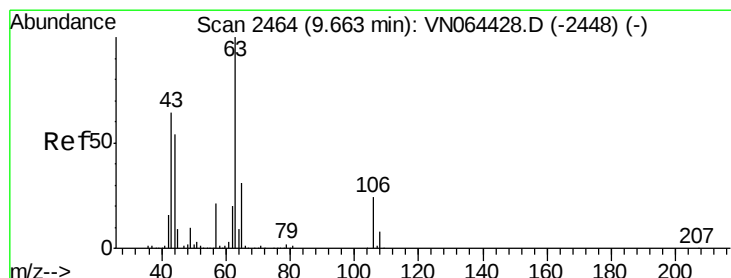
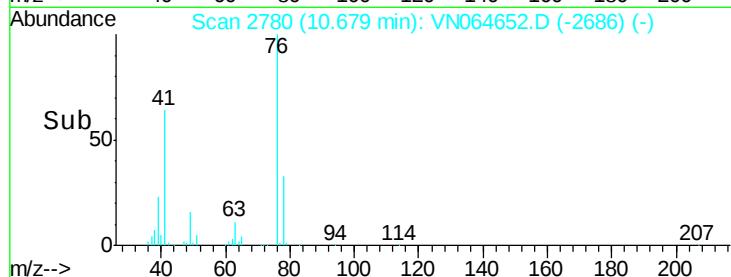
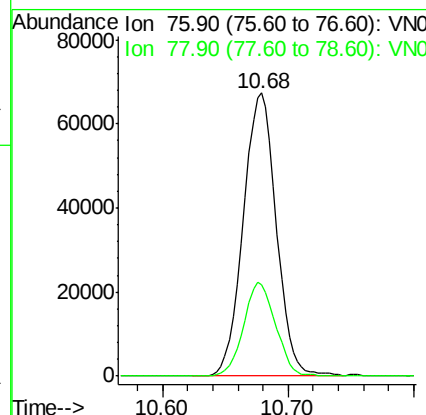
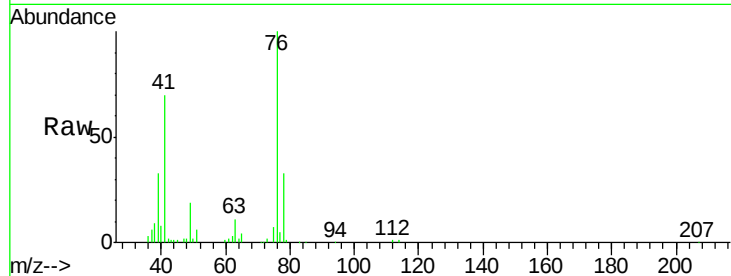
#57
 1,3-Dichloropropane
 Concen: 18.555 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

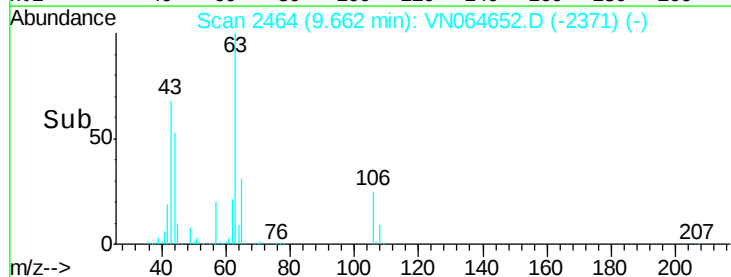
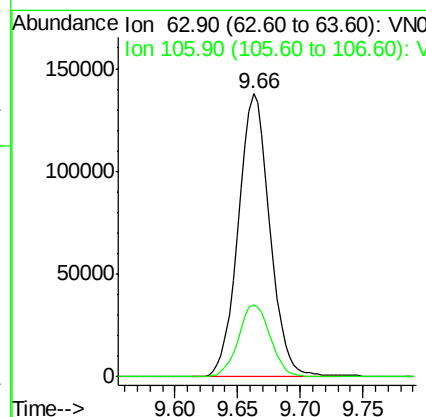
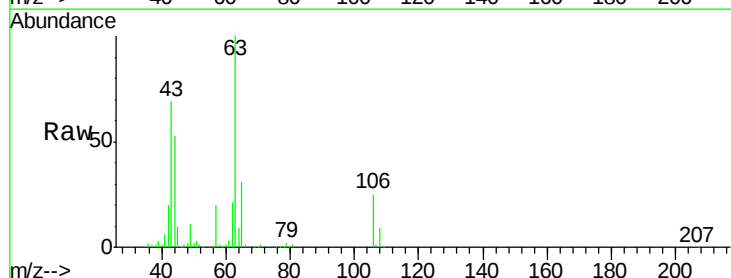
Manual Integrations
 APPROVED

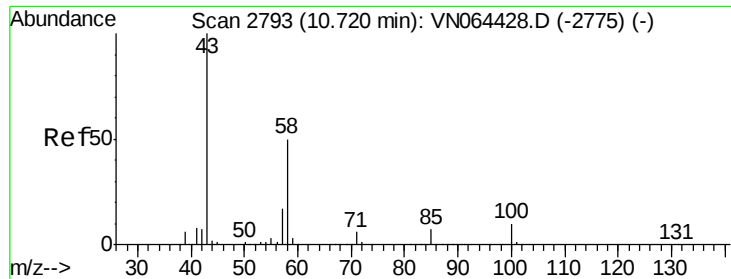
MMDadoda
 11/19/2020 5:42:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.882 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	19.5	29.3





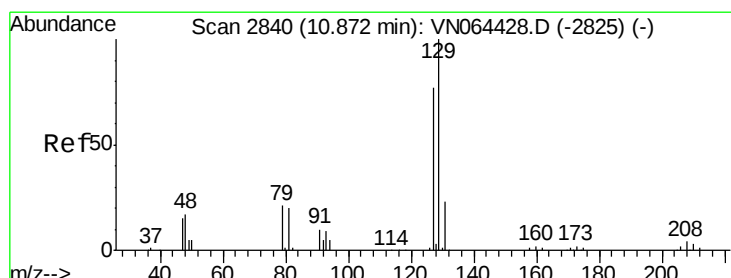
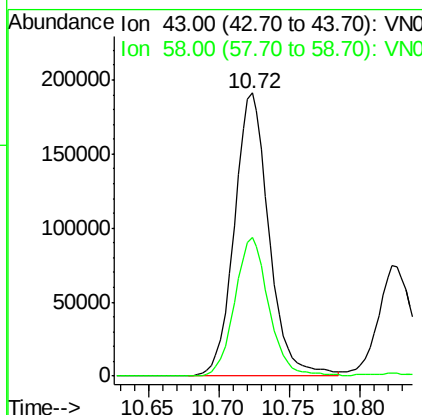
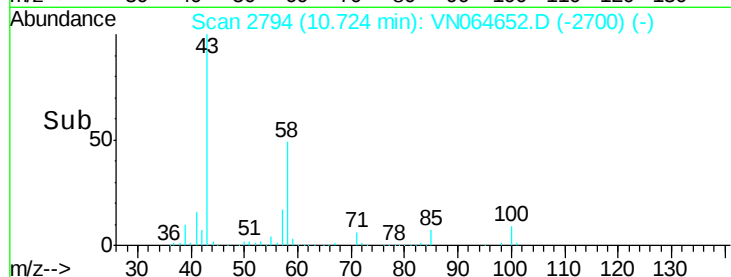
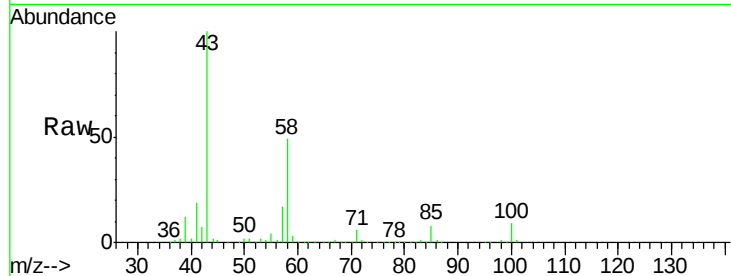
#59
2-Hexanone
Concen: 80.558 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion: 43 Resp: 326339
Ion Ratio Lower Upper
43 100
58 48.6 24.7 74.1

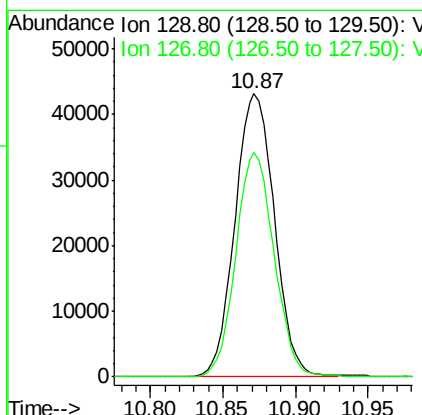
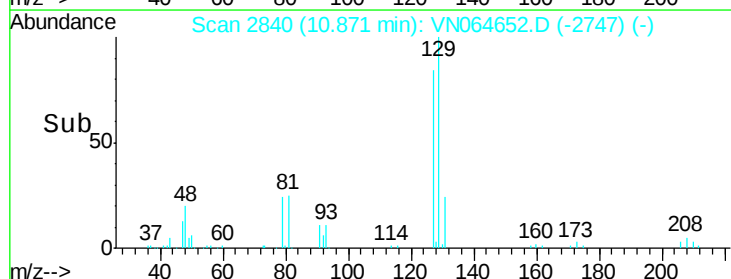
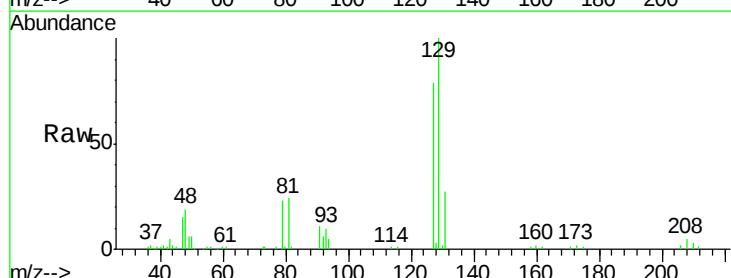
Manual Integrations
APPROVED

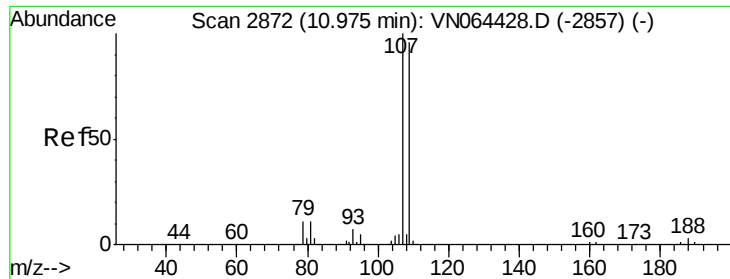
MMDadoda
11/19/2020 5:42:33 PM



#60
Dibromochloromethane
Concen: 19.178 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion: 129 Resp: 81704
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





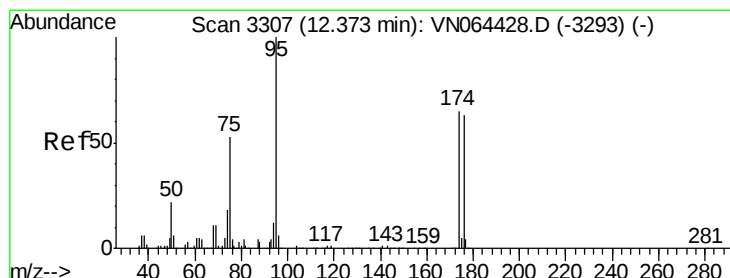
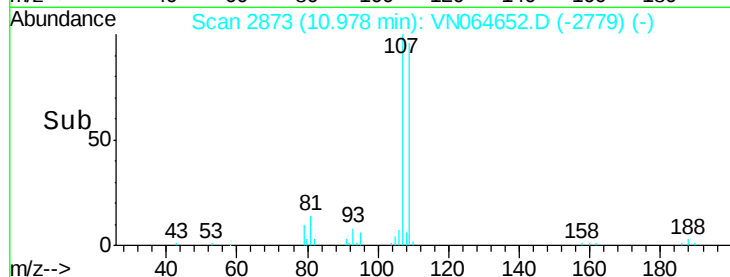
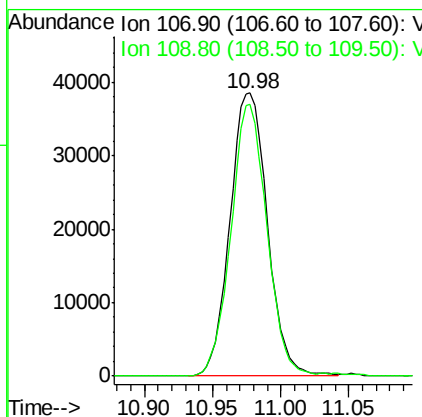
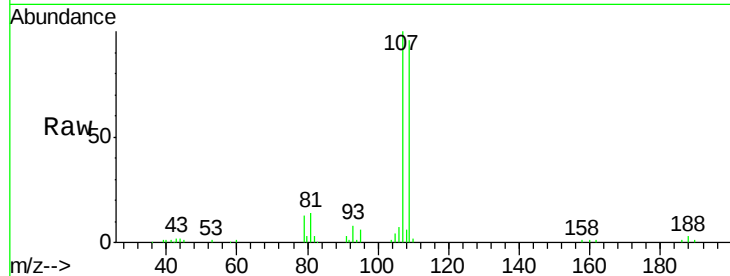
#61
 1,2-Dibromoethane
 Concen: 19.049 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.9	113.9

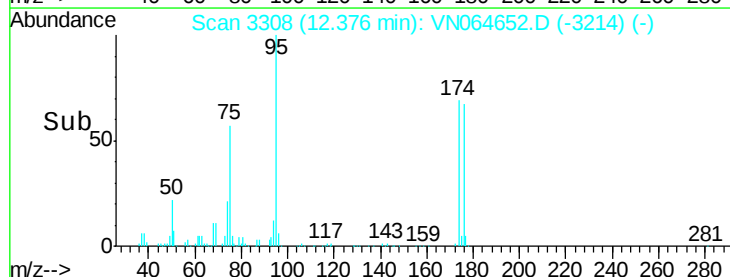
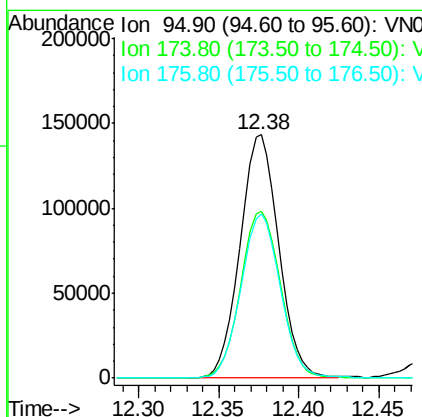
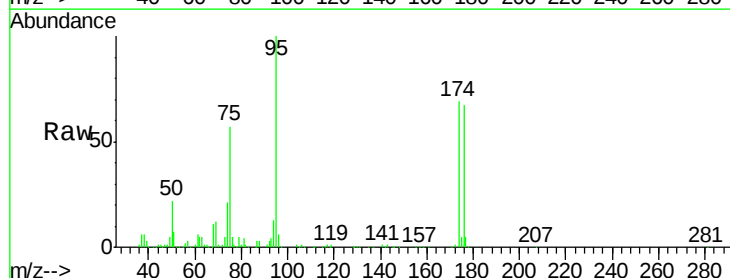
Manual Integrations
 APPROVED

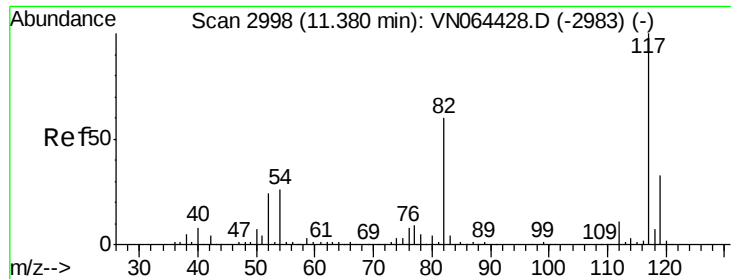
MMDadoda
 11/19/2020 5:42:33 PM



#62
 4-Bromofluorobenzene
 Concen: 46.089 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	132.6
176	68.9	0.0	129.2





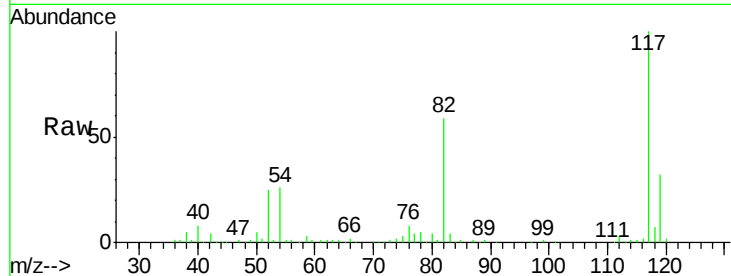
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

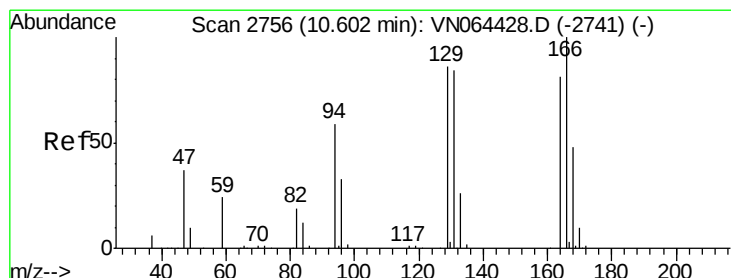
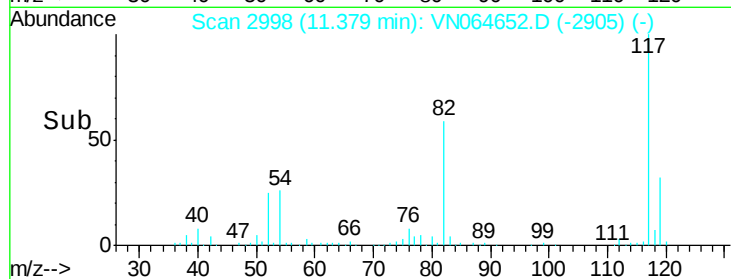
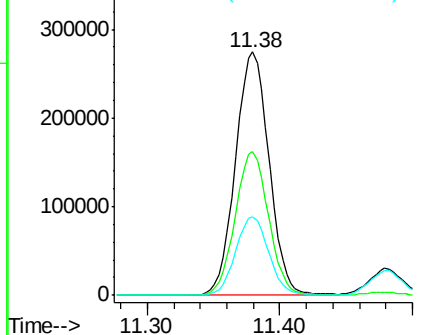
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	48.1	72.1
119	32.4	26.2	39.4

Manual Integrations
APPROVED

MMDadoda
11/19/2020 5:42:33 PM



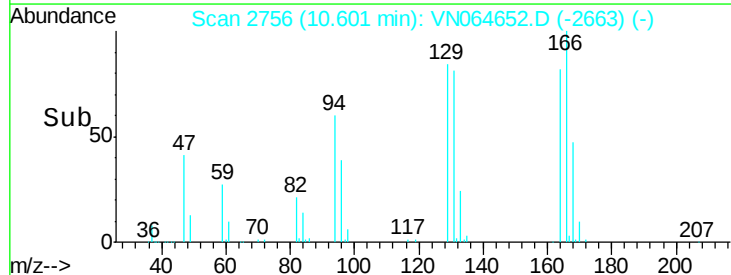
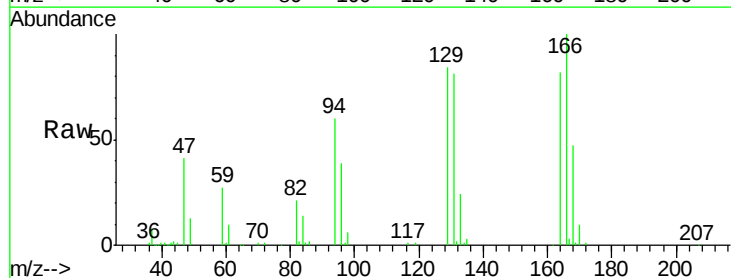
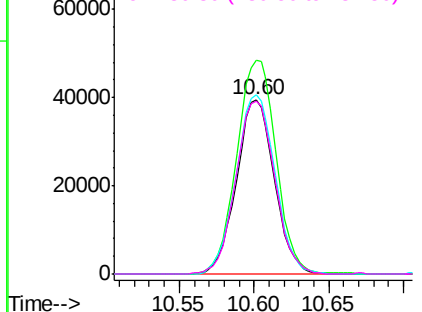
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

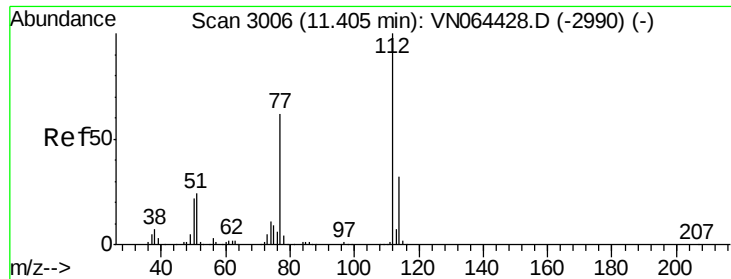


#64
Tetrachloroethene
Concen: 18.675 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	98.2	147.2
129	102.5	84.6	127.0
131	99.2	82.2	123.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





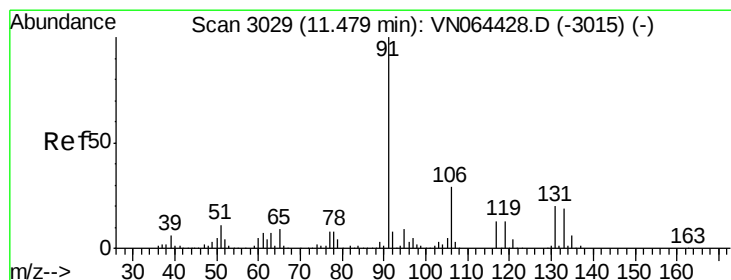
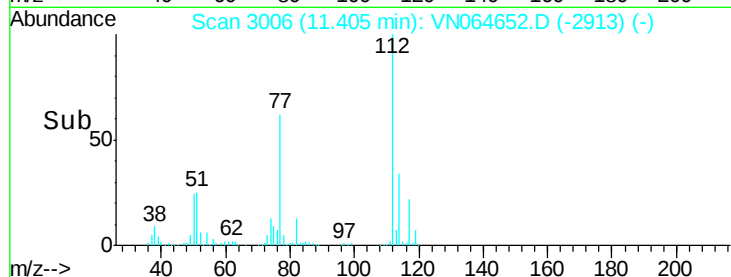
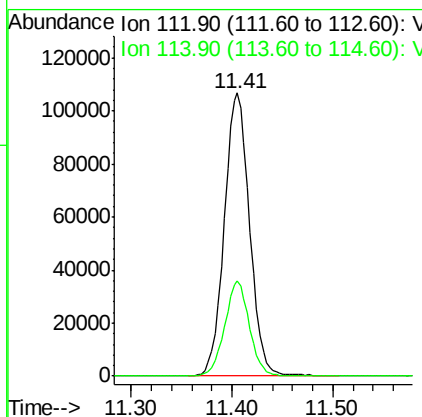
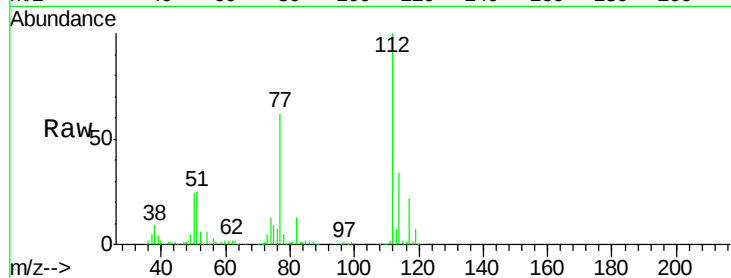
#65
Chlorobenzene
Concen: 17.565 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion:112 Resp: 186463
Ion Ratio Lower Upper
112 100
114 33.7 25.6 38.4

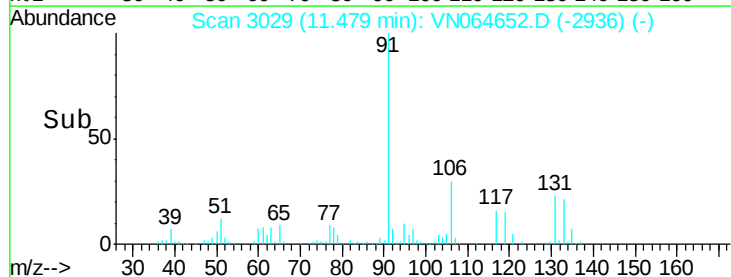
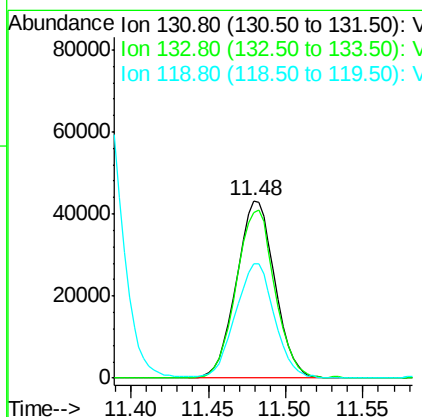
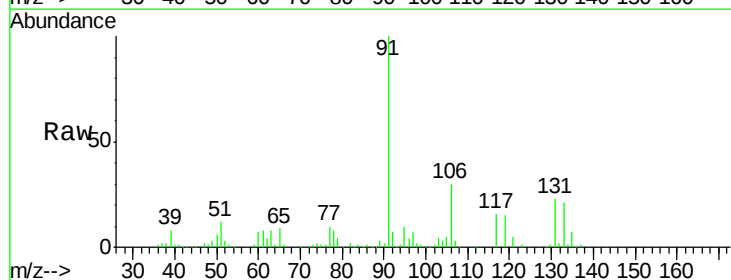
Manual Integrations
APPROVED

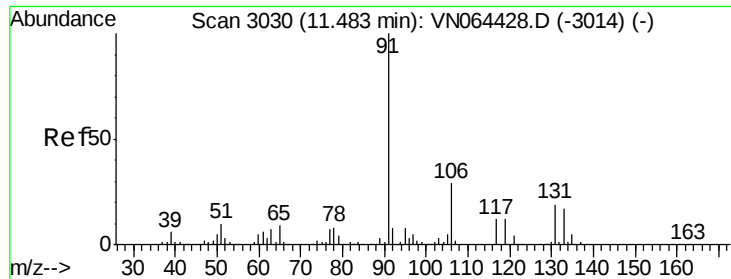
MMDadoda
11/19/2020 5:42:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.833 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion:131 Resp: 74586
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.7
119 65.6 32.1 96.5





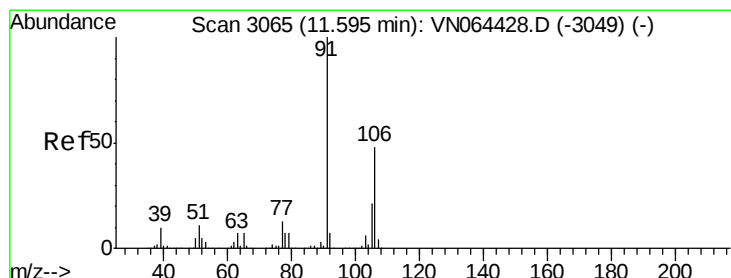
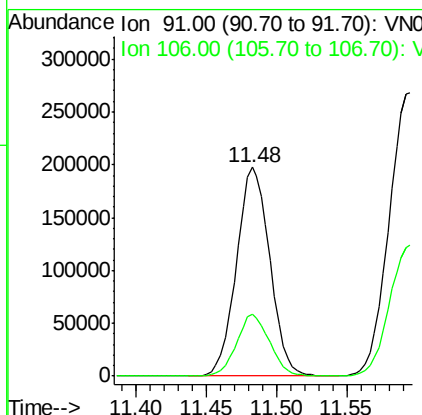
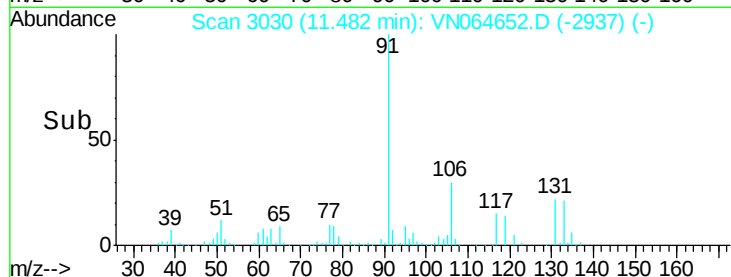
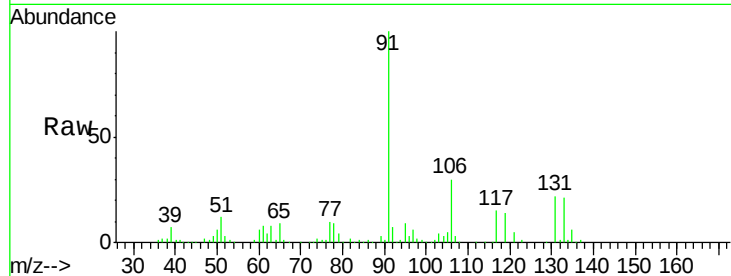
#67
Ethyl Benzene
Concen: 17.374 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion: 91 Resp: 328061
Ion Ratio Lower Upper
91 100
106 30.0 23.6 35.4

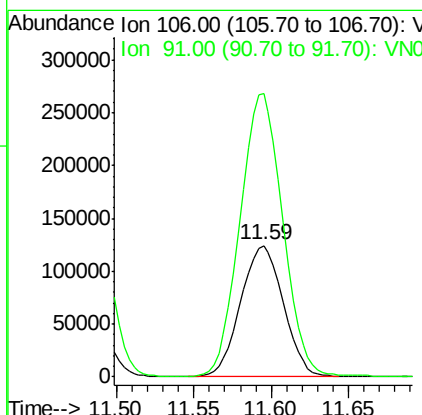
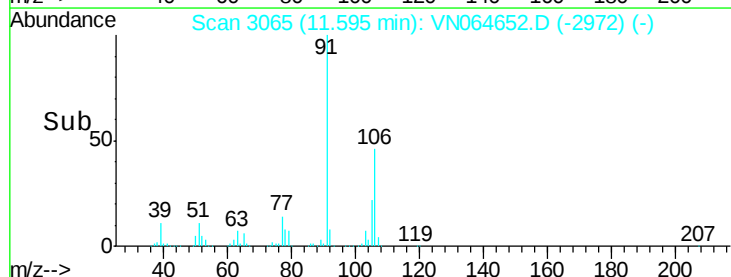
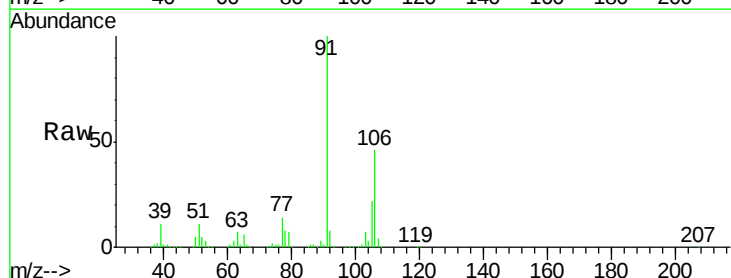
Manual Integrations
APPROVED

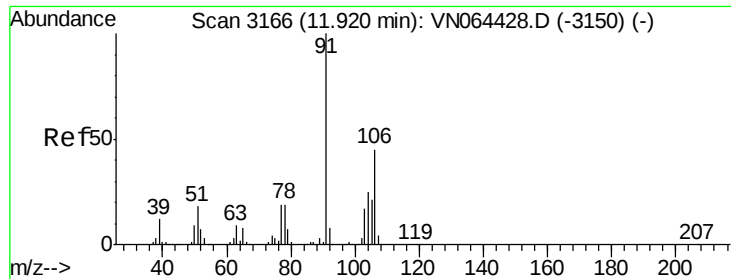
MMDadoda
11/19/2020 5:42:33 PM



#68
m/p-Xylenes
Concen: 34.799 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion: 106 Resp: 238303
Ion Ratio Lower Upper
106 100
91 216.7 169.4 254.2





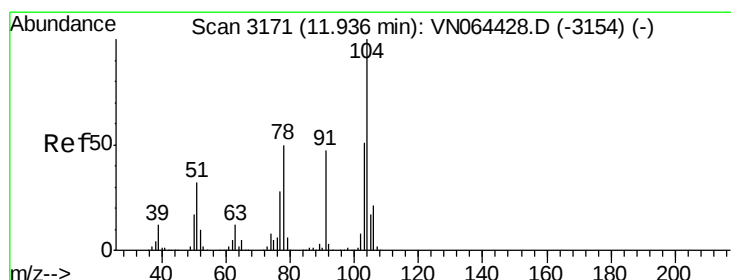
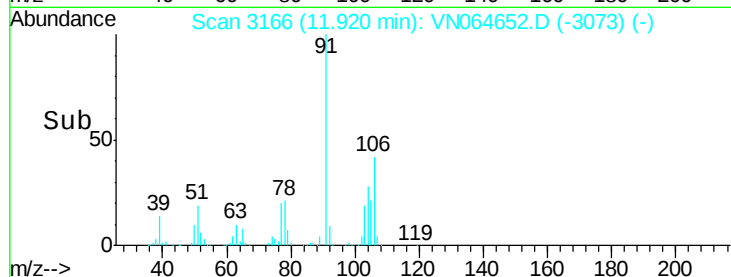
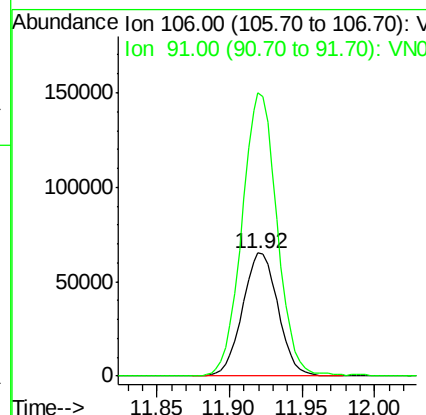
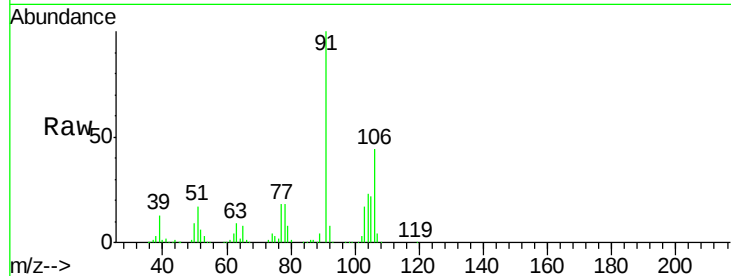
#69
o-Xylene
Concen: 16.835 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion:106 Resp: 111404
Ion Ratio Lower Upper
106 100
91 225.7 111.7 334.9

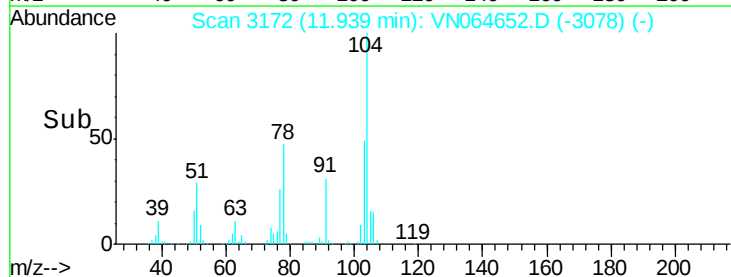
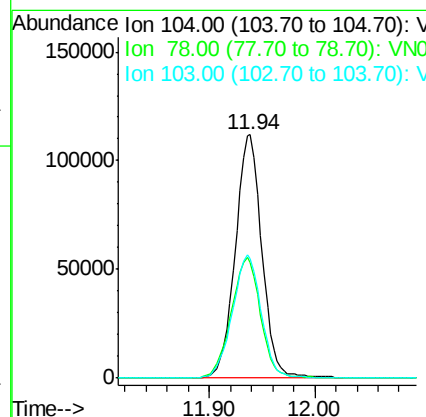
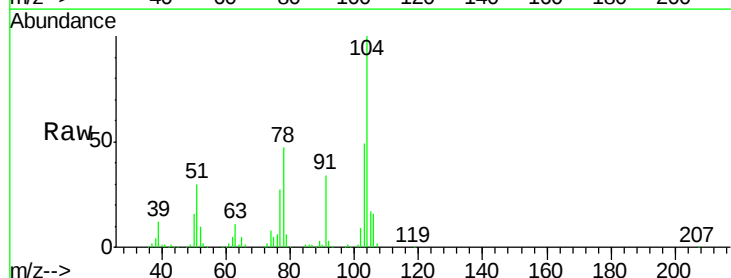
Manual Integrations
APPROVED

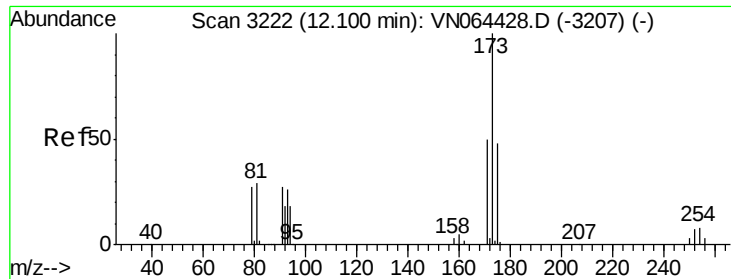
MMDadoda
11/19/2020 5:42:33 PM



#70
Styrene
Concen: 17.581 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion:104 Resp: 195765
Ion Ratio Lower Upper
104 100
78 54.1 44.0 66.0
103 54.6 43.8 65.6





#71

Bromoform

Concen: 17.778 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion:173 Resp: 50359

Ion Ratio Lower Upper

173 100

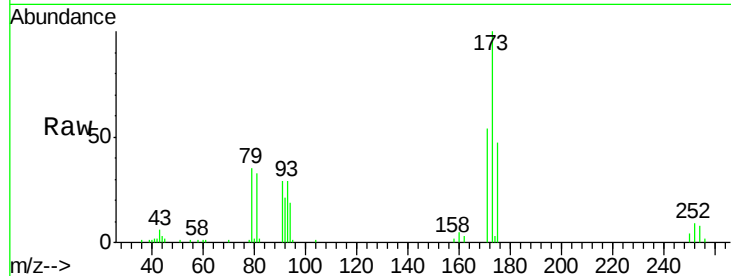
175 48.8 23.7 71.1

254 0.0 0.0 0.0

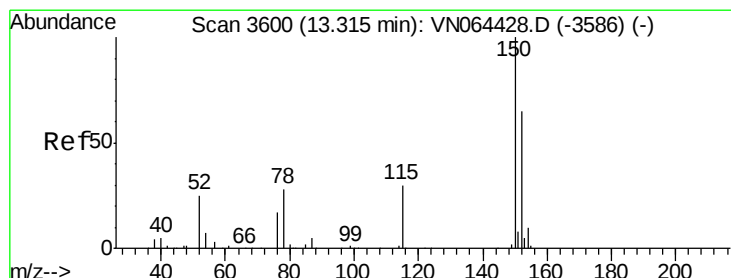
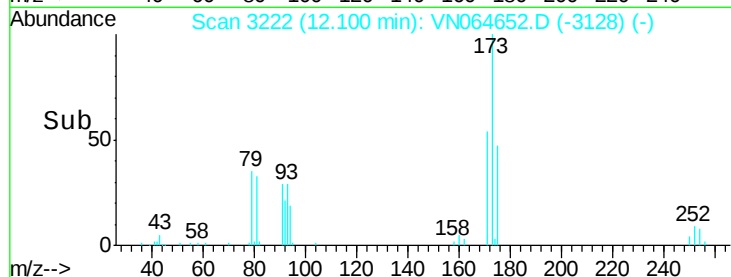
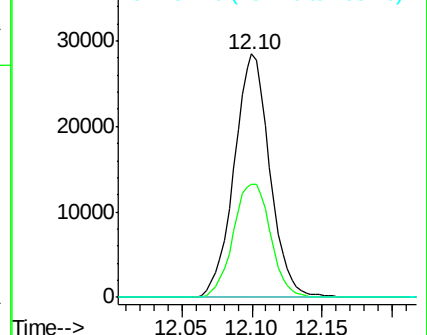
Manual Integrations
APPROVED

MMDadoda

11/19/2020 5:42:33 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

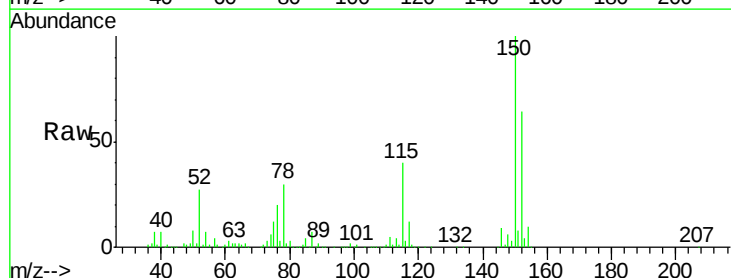
Tgt Ion:152 Resp: 222499

Ion Ratio Lower Upper

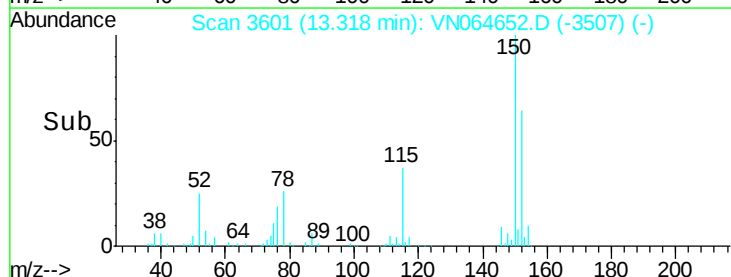
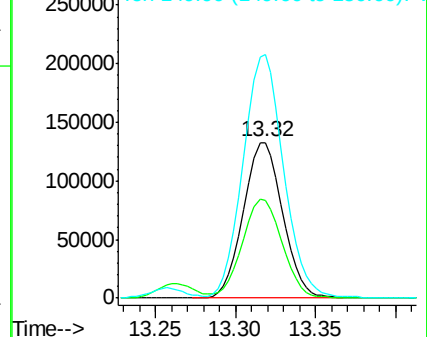
152 100

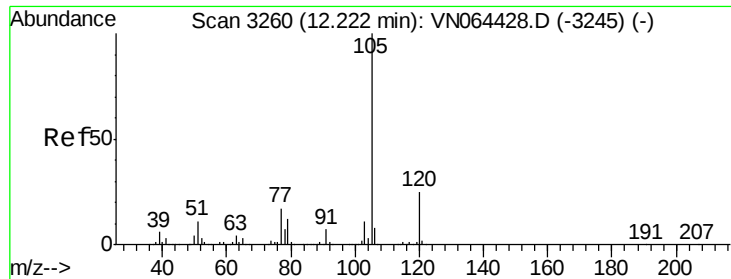
115 64.2 32.0 96.0

150 161.3 0.0 353.8



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





#73

Isopropylbenzene

Concen: 17.053 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion: 105 Resp: 301586

Ion Ratio Lower Upper

105 100

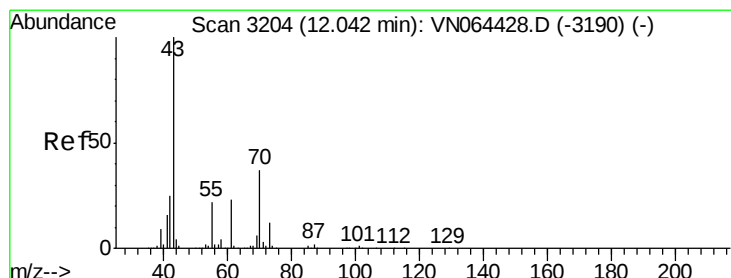
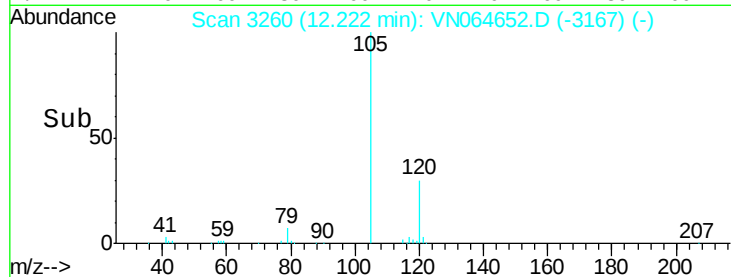
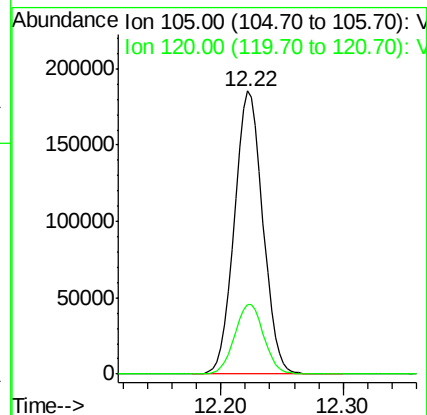
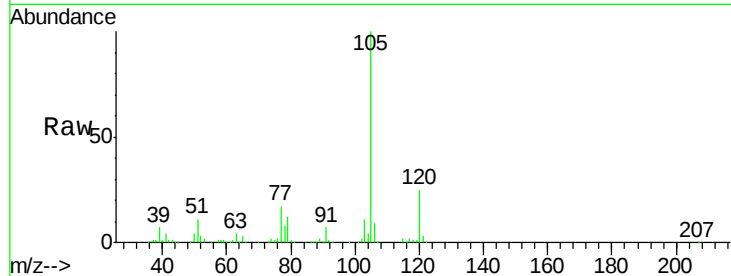
120 25.3 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

11/19/2020 5:42:33 PM



#74

N-ethyl acetate

Concen: 14.925 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Tgt Ion: 43 Resp: 120526

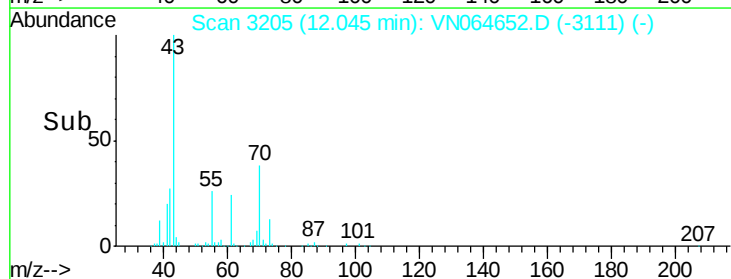
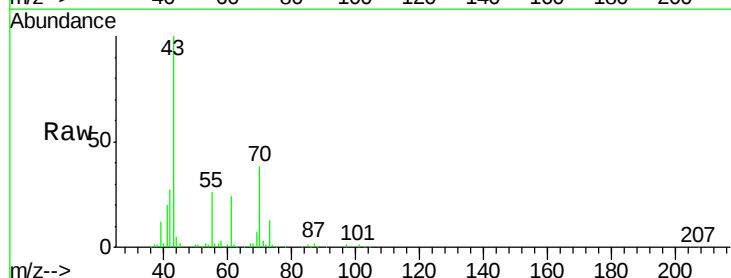
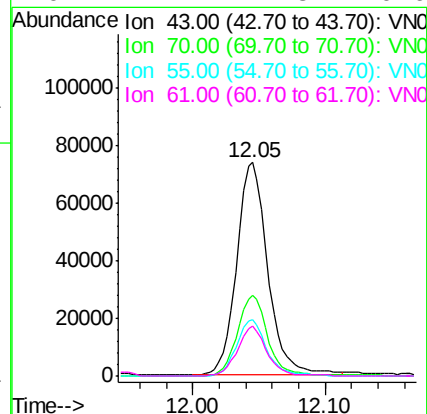
Ion Ratio Lower Upper

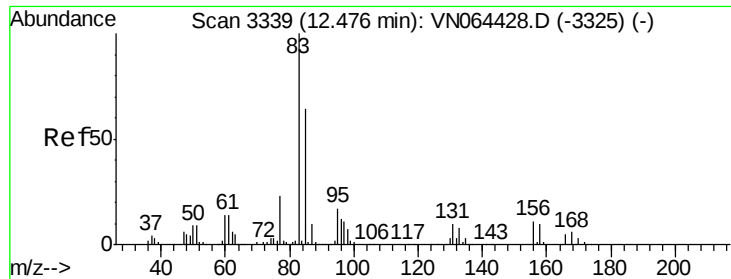
43 100

70 36.9 29.6 44.4

55 25.8 18.4 27.6

61 22.4 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.078 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

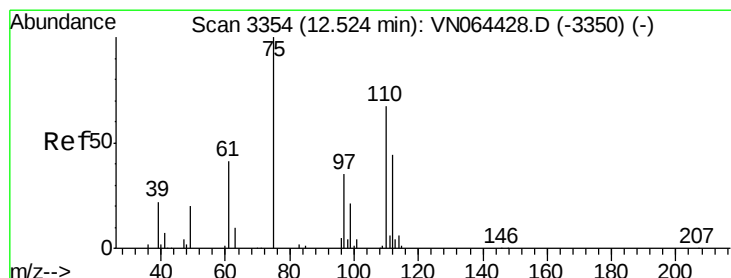
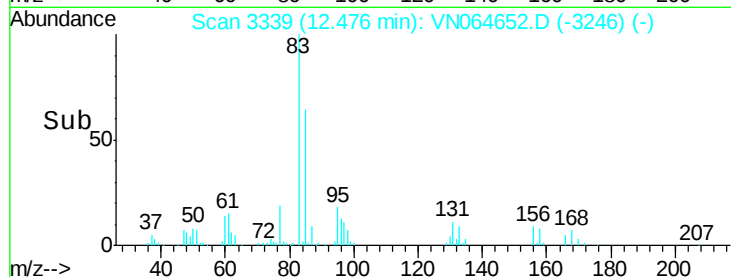
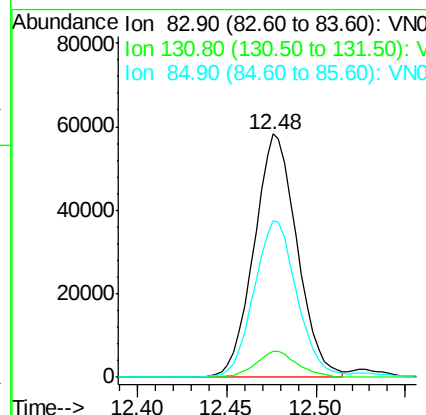
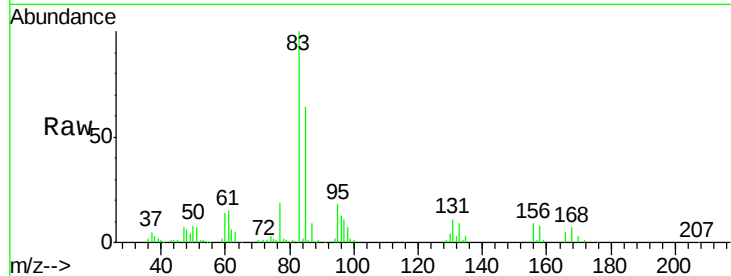
ClientSampleId :

VN1116MBS01

Tot Ion:	83	Resp:	98197
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	64.3	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
11/19/2020 5:42:33 PM



#76

1,2,3-Trichloropropane

Concen: 17.215 ug/l m

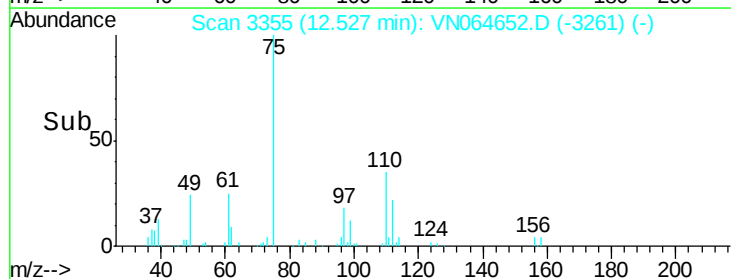
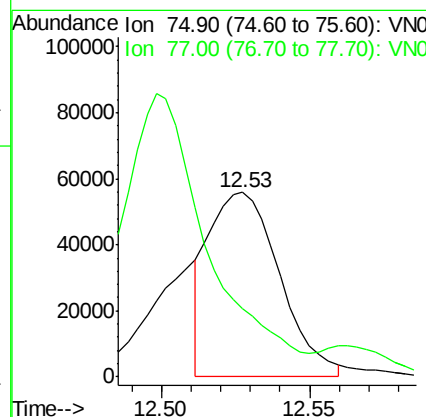
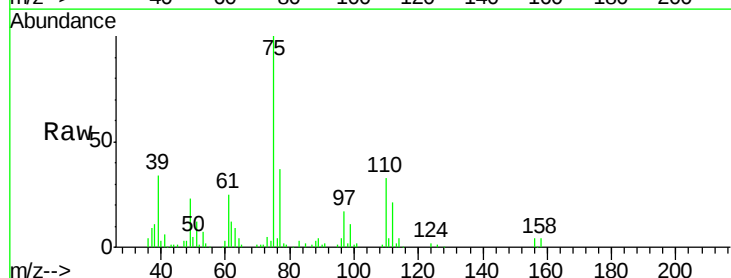
RT: 12.53 min Scan# 3355

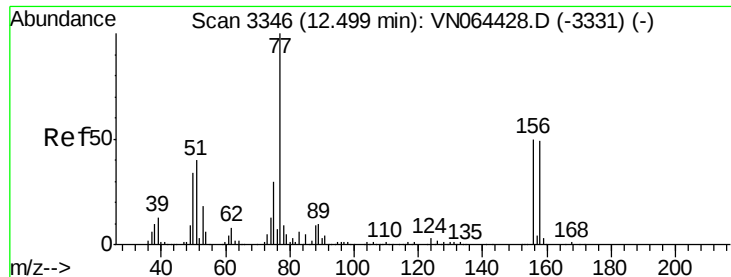
Delta R.T. 0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Tgt Ion:	75	Resp:	92807
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.151 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

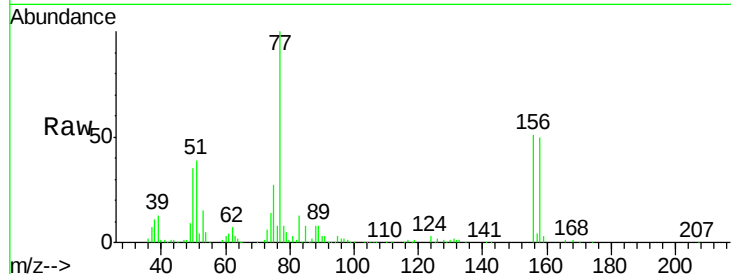
ClientSampleId :

VN1116MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	235.5	119.0	357.0	
158	96.6	48.4	145.3	

Manual Integrations
APPROVED

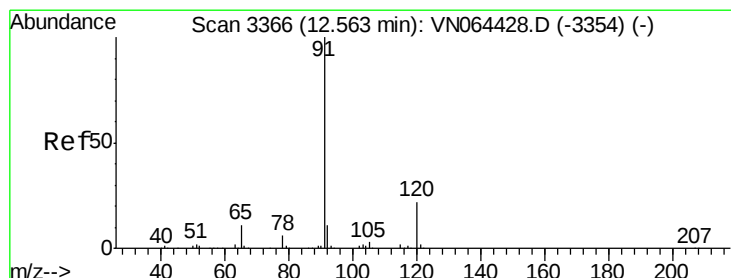
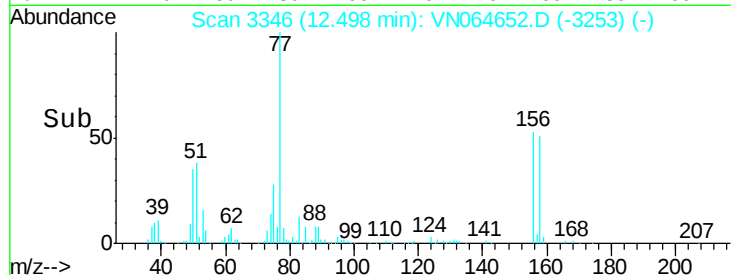
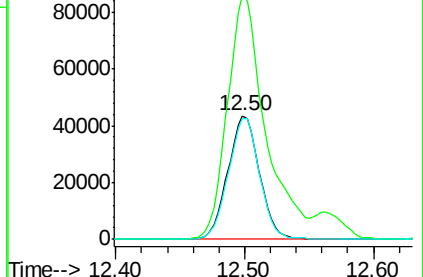
MMDadoda
11/19/2020 5:42:33 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.516 ug/l

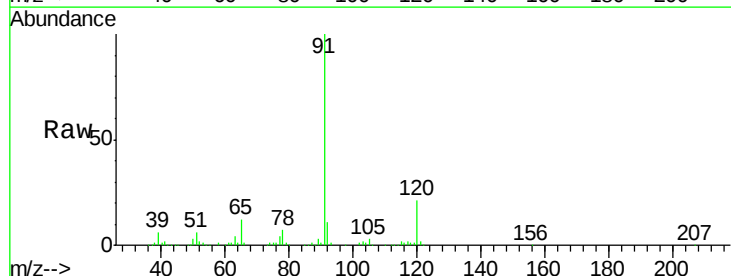
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064652.D

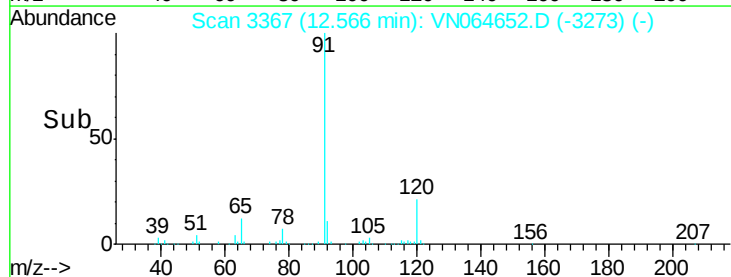
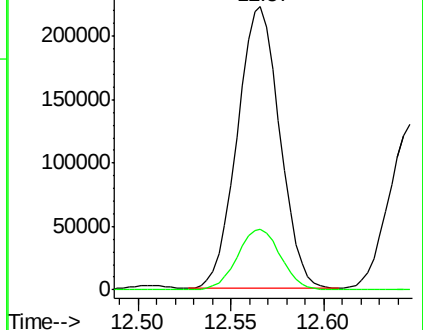
Acq: 16 Nov 2020 10:47

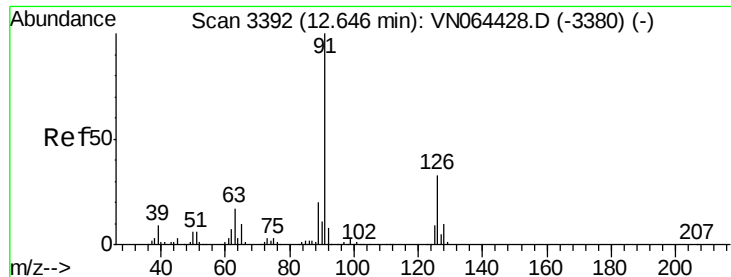
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.0	33.0	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.102 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion: 91 Resp: 218691

Ion Ratio Lower Upper

91 100

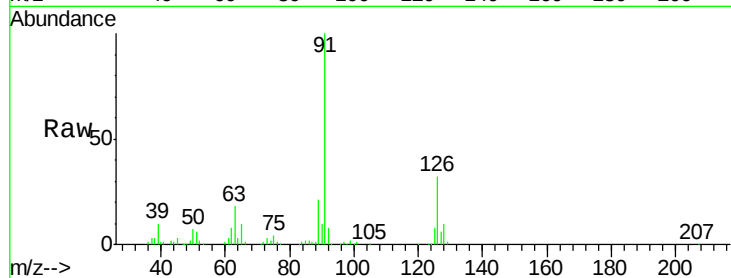
126 32.6 16.4 49.1

Manual Integrations

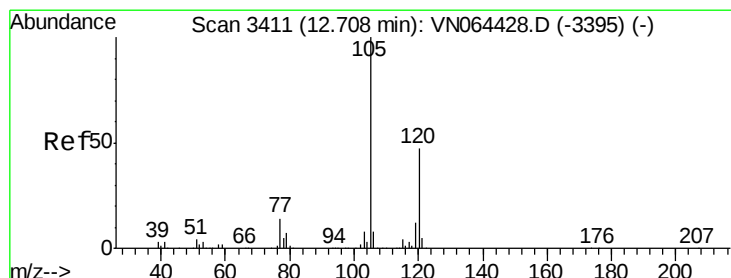
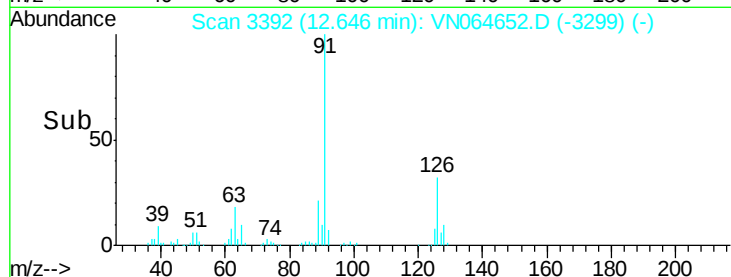
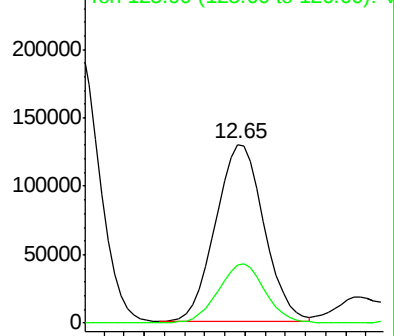
APPROVED

MMDadoda

11/19/2020 5:42:33 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.612 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064652.D

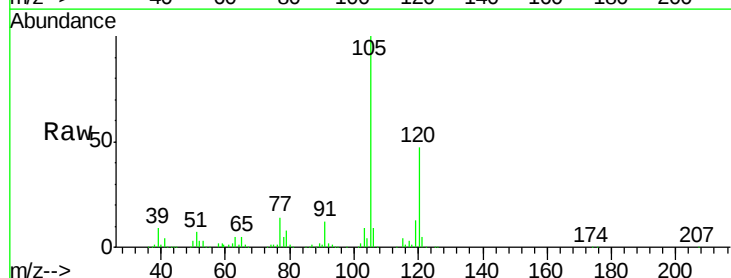
Acq: 16 Nov 2020 10:47

Tgt Ion: 105 Resp: 256954

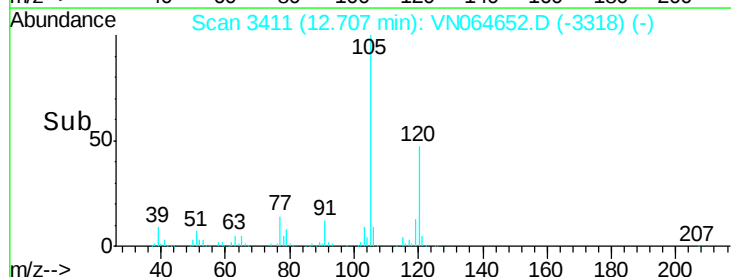
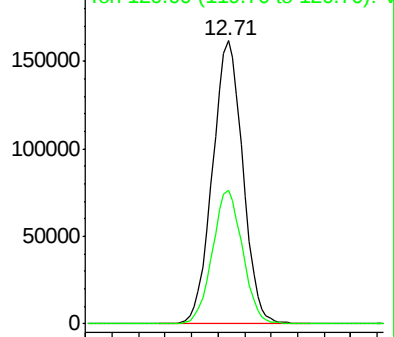
Ion Ratio Lower Upper

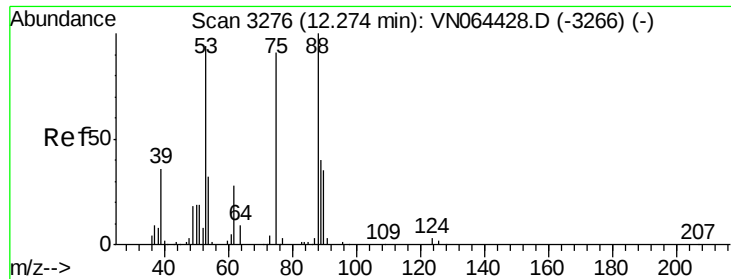
105 100

120 47.0 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.409 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

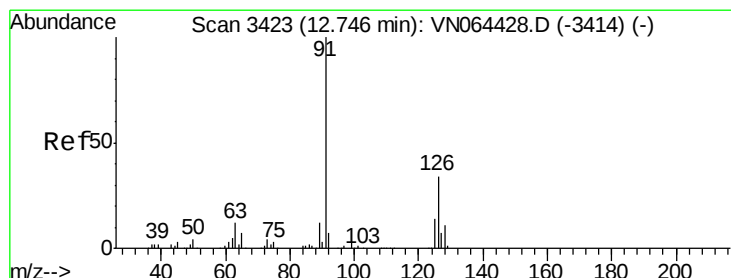
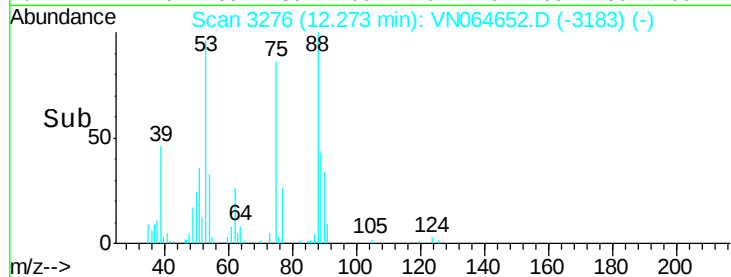
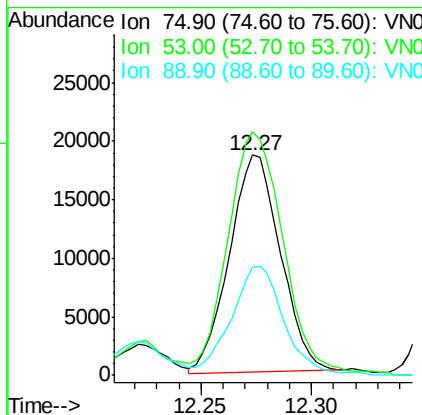
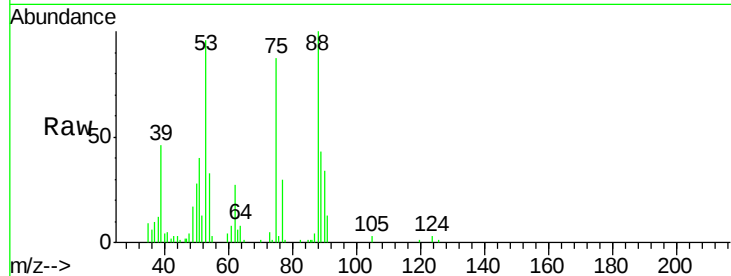
ClientSampled :

VN1116MBS01

Tot Ion:	75	Resp:	29752
Ion	Ratio	Lower	Upper
75	100		
53	122.9	84.0	126.0
89	52.0	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
11/19/2020 5:42:33 PM



#82

4-Chlorotoluene

Concen: 17.640 ug/l

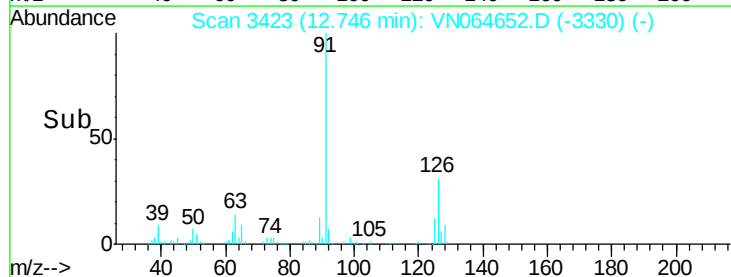
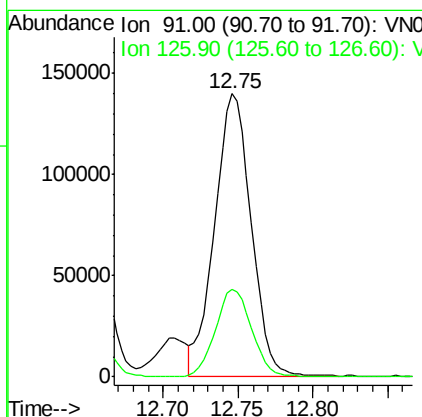
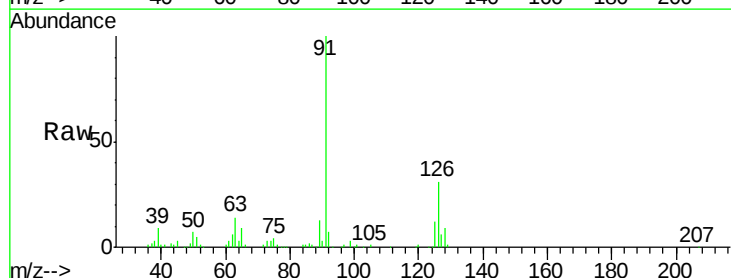
RT: 12.75 min Scan# 3423

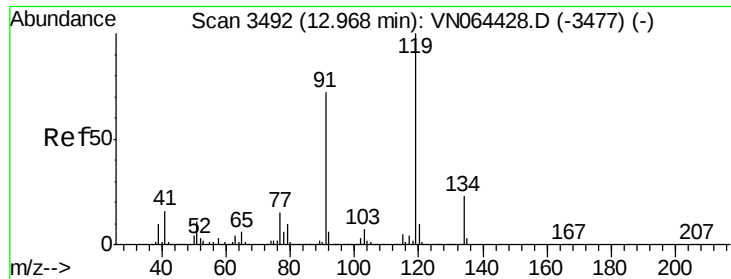
Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Tgt Ion:	91	Resp:	236238
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.2





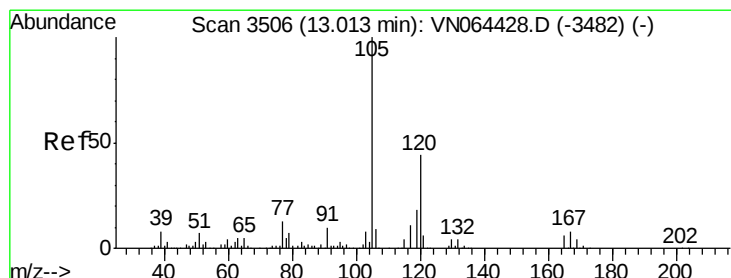
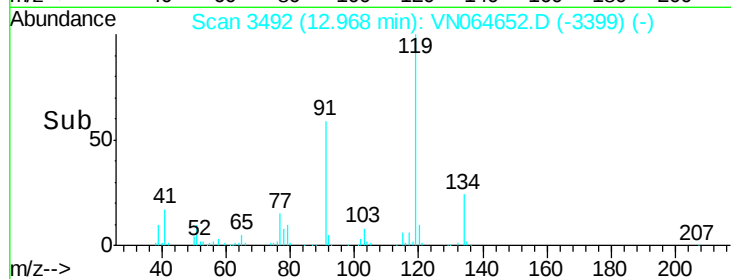
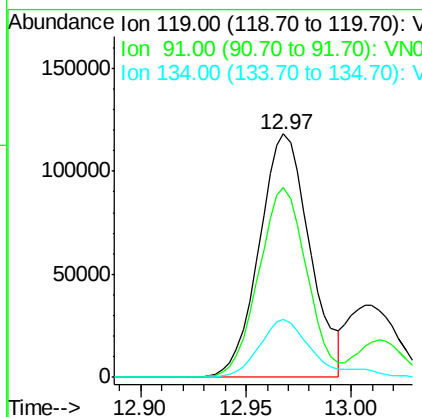
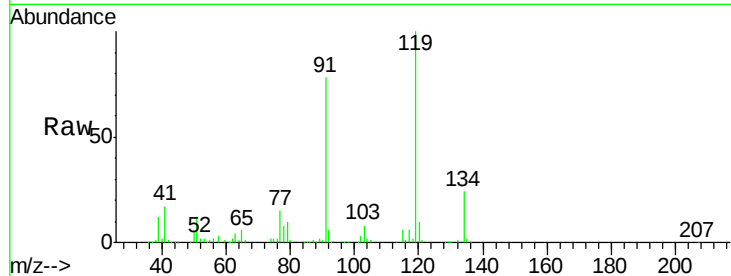
#83
 tert-Butylbenzene
 Concen: 17.278 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196873		
91	74.2	36.1	108.3	
134	25.6	11.7	35.1	

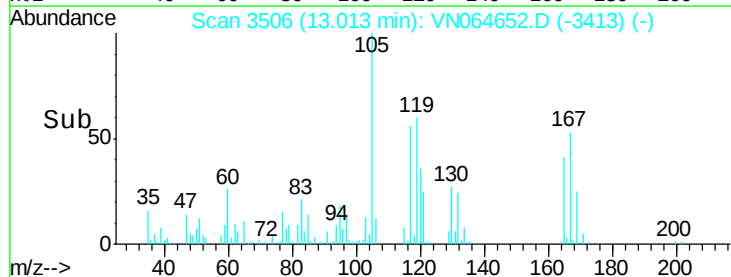
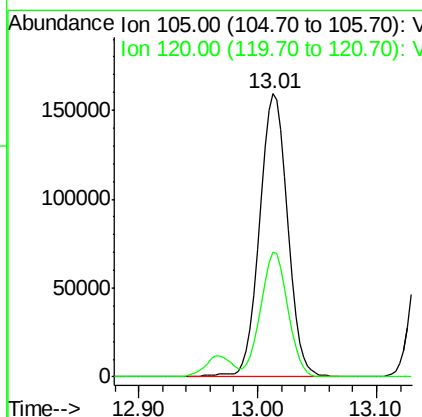
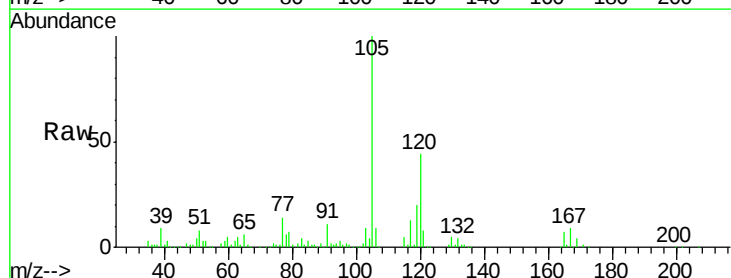
Manual Integrations
 APPROVED

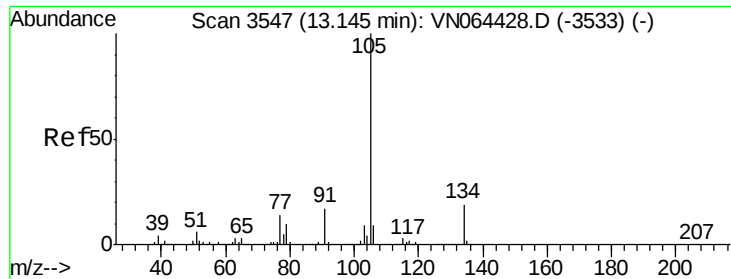
MMDadoda
 11/19/2020 5:42:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.763 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	260527		
120	43.1	21.9	65.7	





#85

sec-Butylbenzene

Concen: 18.401 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBS01

Tot Ion:105 Resp: 265540

Ion Ratio Lower Upper

105 100

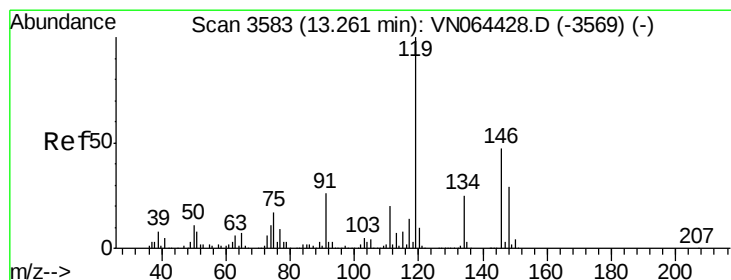
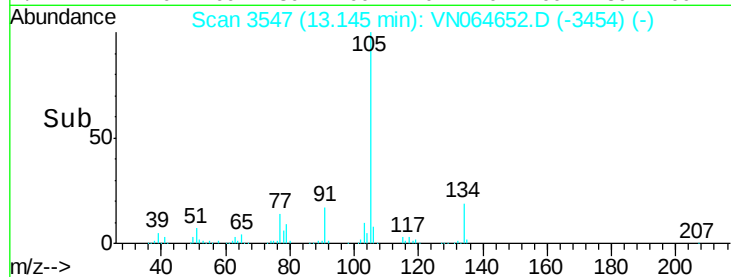
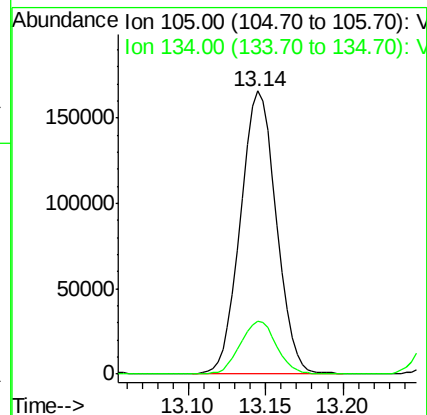
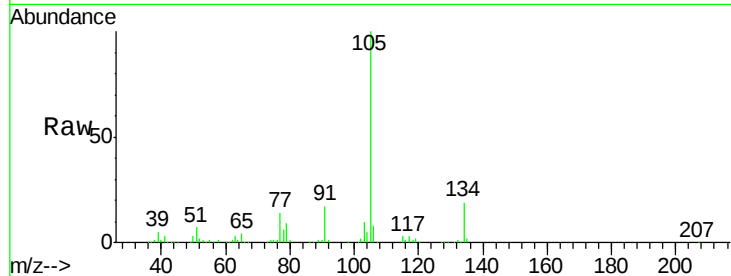
134 19.2 9.4 28.2

Manual Integrations

APPROVED

MMDadoda

11/19/2020 5:42:33 PM



#86

p-Isopropyltoluene

Concen: 17.921 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064652.D

Acq: 16 Nov 2020 10:47

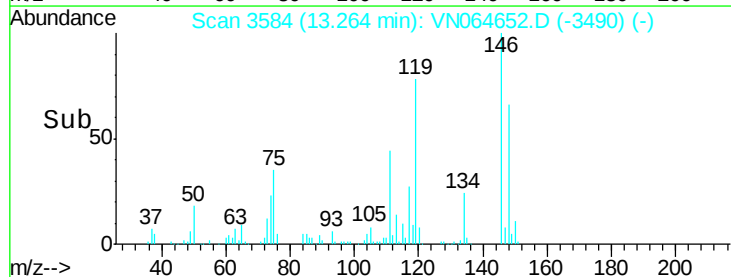
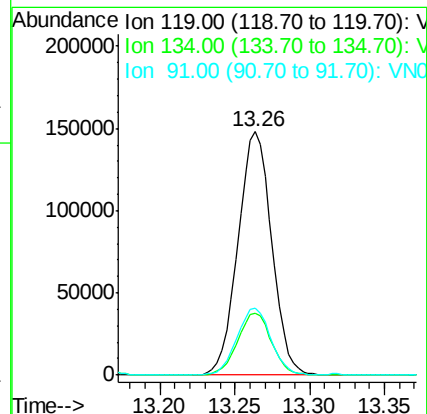
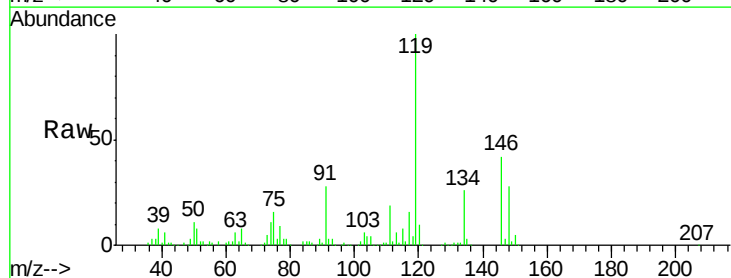
Tgt Ion:119 Resp: 232621

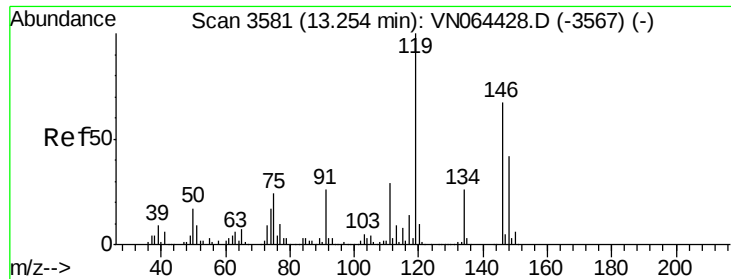
Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.6

91 27.4 12.8 38.3





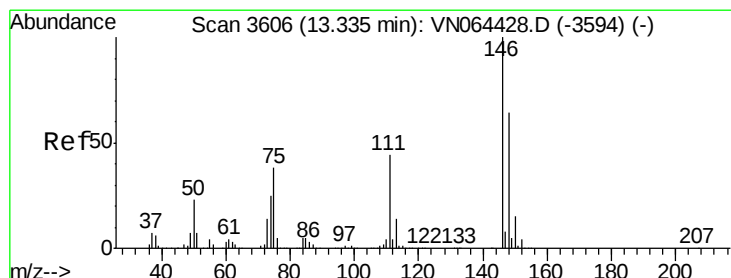
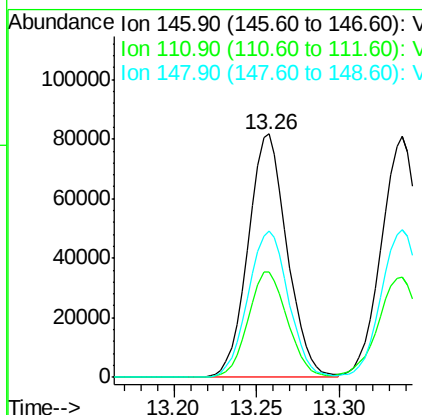
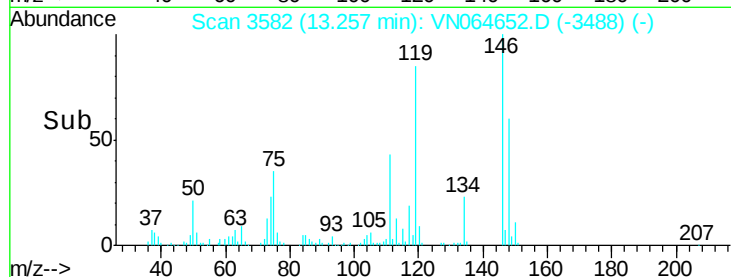
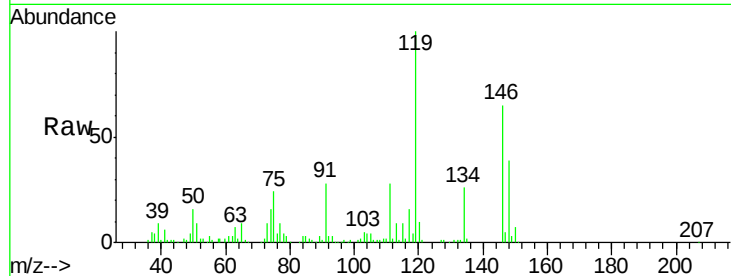
#87
 1,3-Dichlorobenzene
 Concen: 17.876 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.1
148	62.3	31.7	95.1

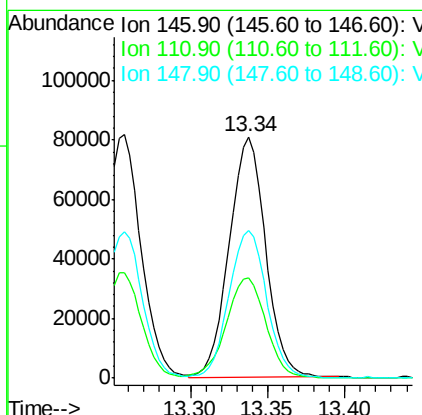
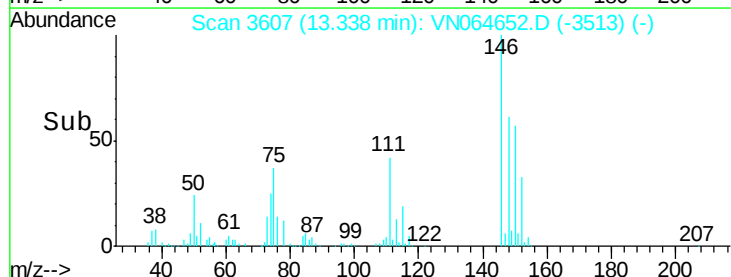
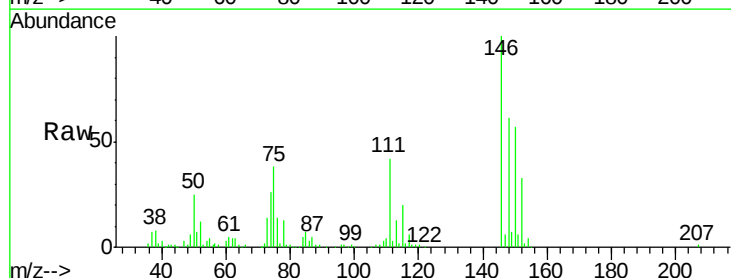
Manual Integrations
 APPROVED

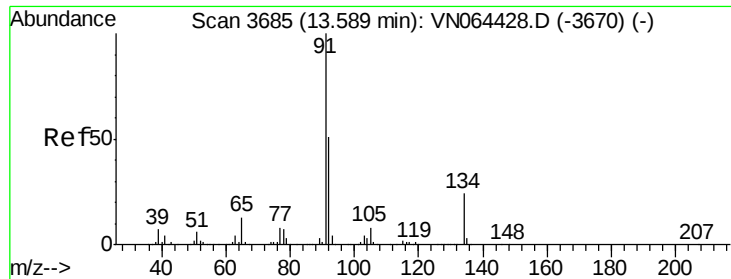
MMDadoda
 11/19/2020 5:42:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.099 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	21.8	65.3
148	63.5	32.4	97.2





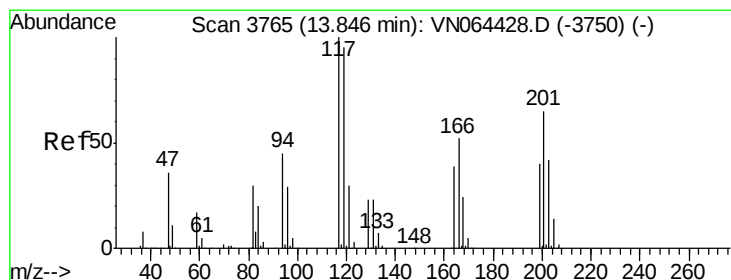
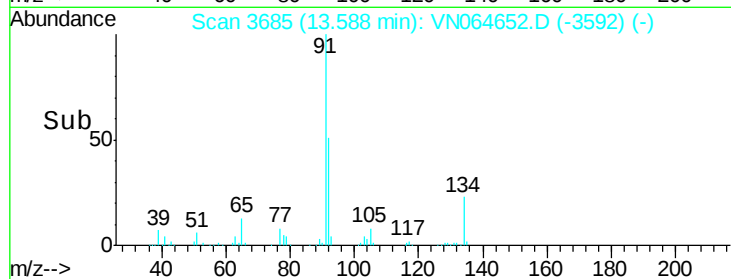
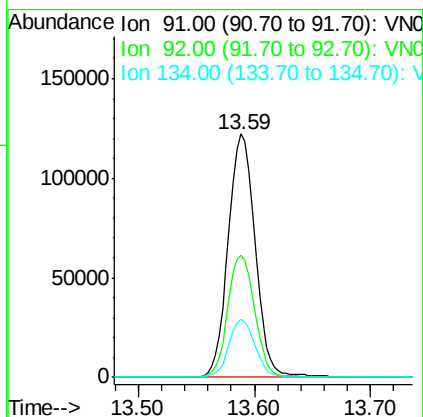
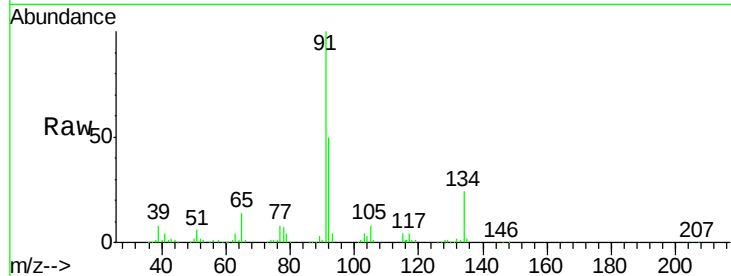
#89
n-Butylbenzene
Concen: 17.708 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.9	25.3	75.9
134	22.9	11.8	35.4

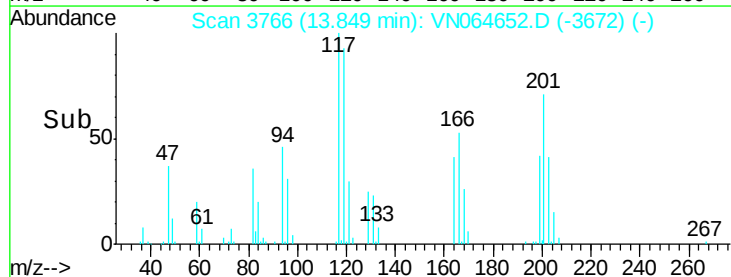
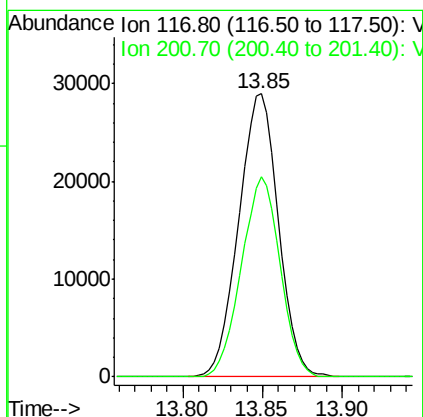
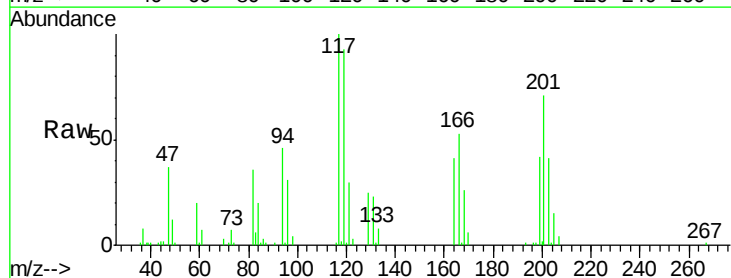
Manual Integrations
APPROVED

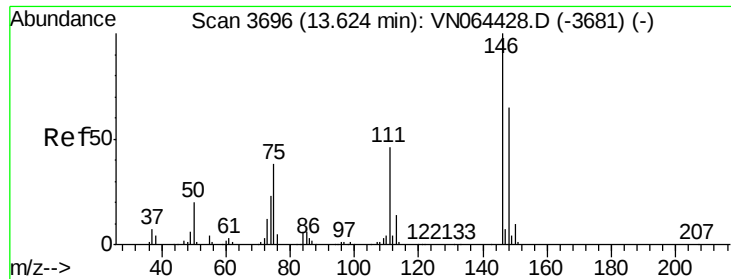
MMDadoda
11/19/2020 5:42:33 PM



#90
Hexachloroethane
Concen: 19.586 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.9	32.5	97.5





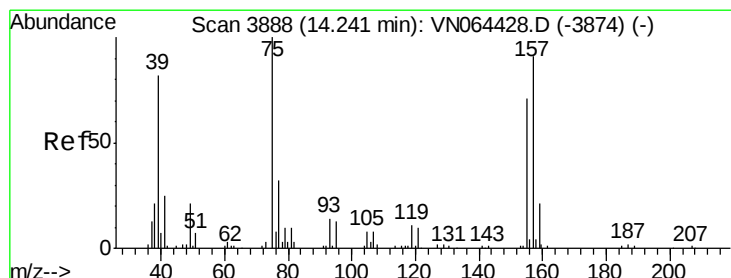
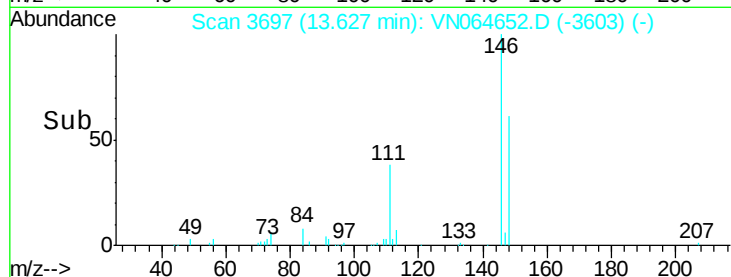
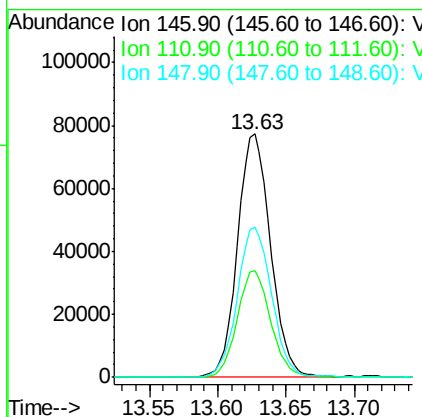
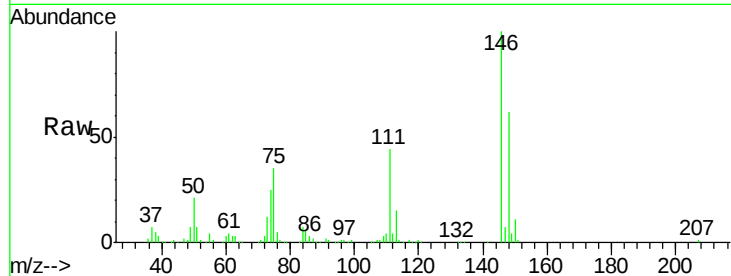
#91
 1,2-Dichlorobenzene
 Concen: 18.190 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN1116MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.9	68.7
148	64.3	32.0	96.2

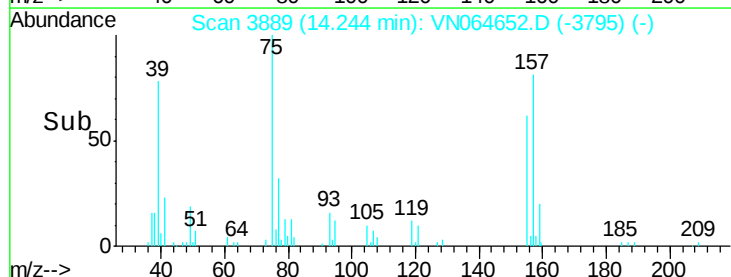
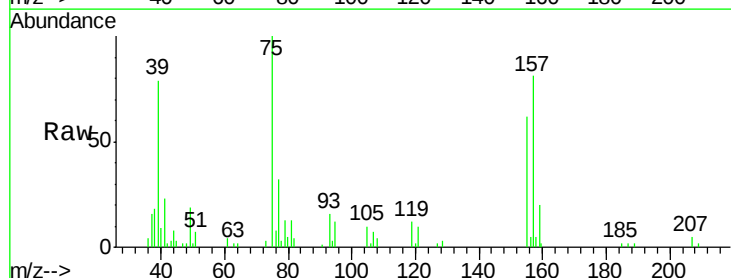
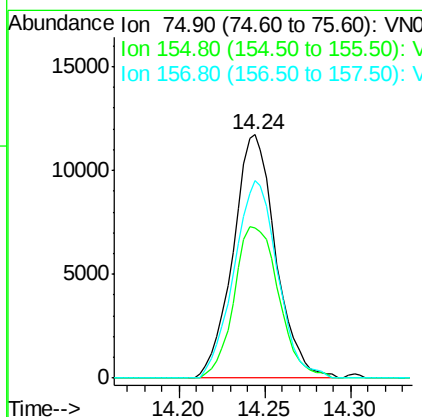
Manual Integrations
 APPROVED

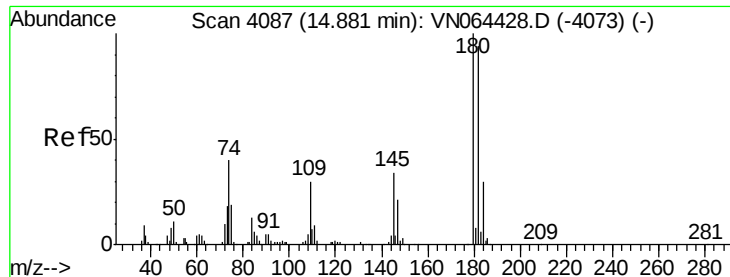
MMDadoda
 11/19/2020 5:42:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.736 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.0	34.6	103.9
157	82.7	43.0	128.8





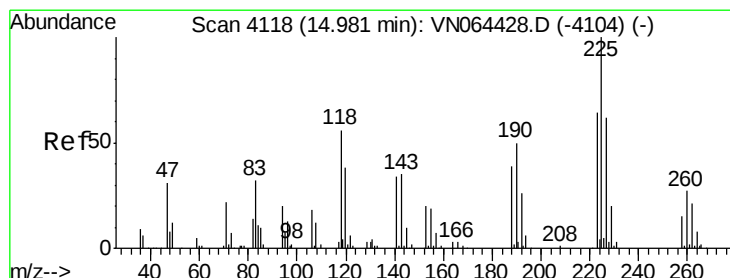
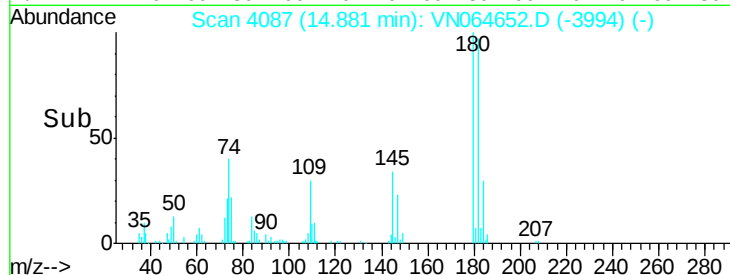
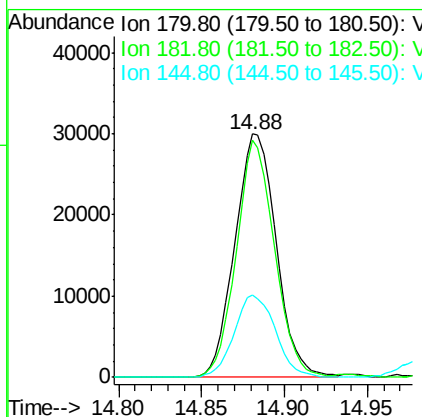
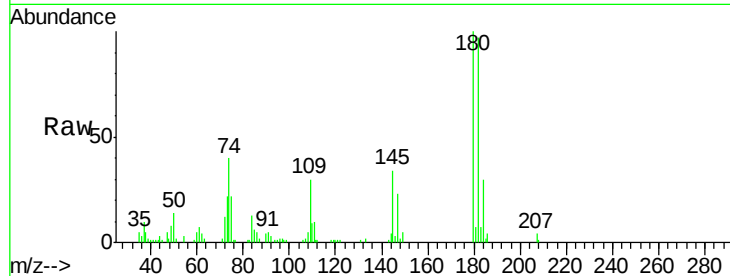
#93
 1,2,4-Trichlorobenzene
 Concen: 16.464 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.8	47.3	142.0
145	33.6	16.7	50.1

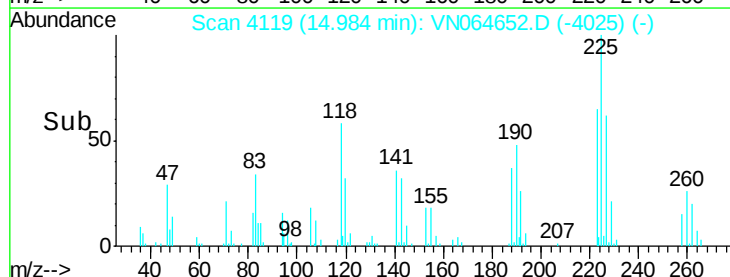
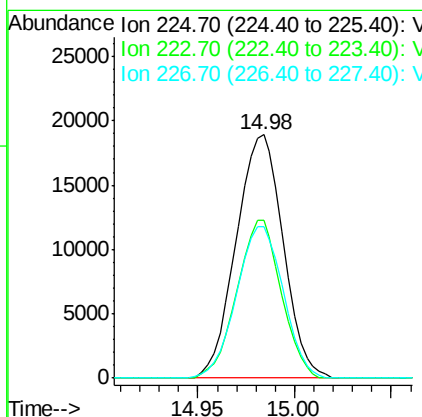
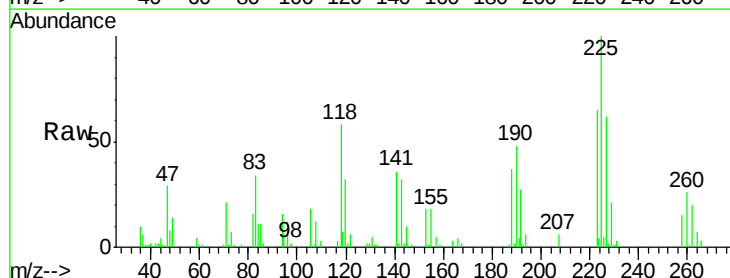
Manual Integrations
 APPROVED

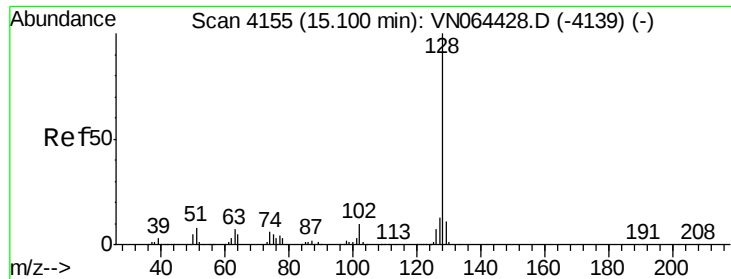
MMDadoda
 11/19/2020 5:42:33 PM



#94
 Hexachlorobutadiene
 Concen: 21.863 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064652.D
 Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.8	95.4
227	62.1	31.8	95.4





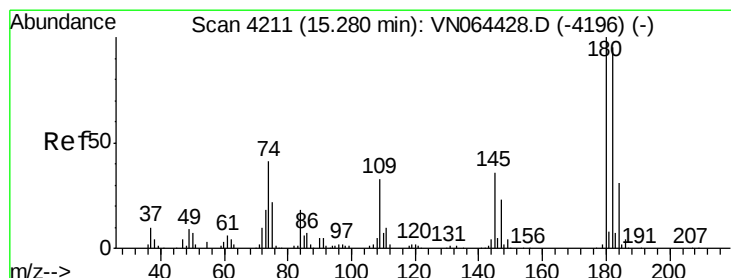
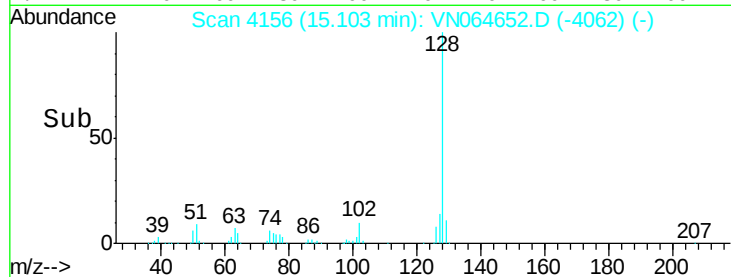
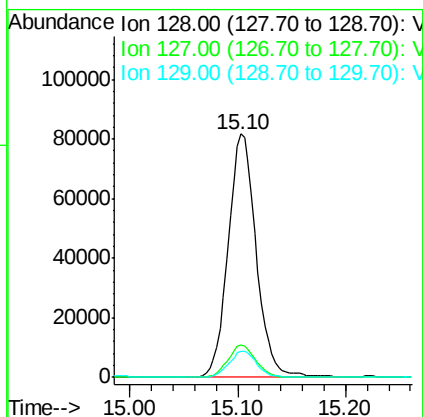
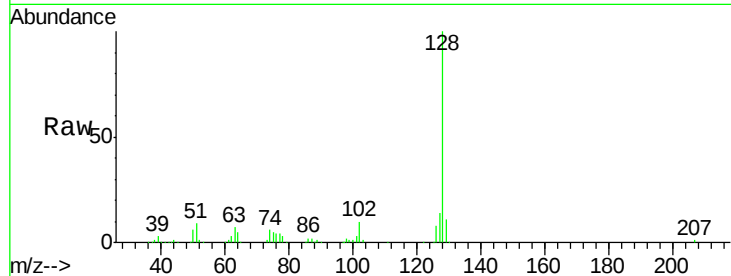
#95
Naphthalene
Concen: 14.907 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/19/2020 5:42:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.276 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064652.D
Acq: 16 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.7	143.1
145	34.4	18.3	54.8

