

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064649.D
 Acq On : 16 Nov 2020 9:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 7:01:59 PM

Quant Time: Nov 17 03:56:26 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	330371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	544685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	530548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	266187	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.55	113	193846	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.06	98	733749	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.37	95	276279	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	200011	46.508	ug/l	96
3) Chloromethane	2.04	50	221810	42.463	ug/l	100
4) Vinyl Chloride	2.17	62	251797	46.940	ug/l	95
5) Bromomethane	2.53	94	171263	49.976	ug/l	99
6) Chloroethane	2.68	64	163392	47.575	ug/l	94
7) Trichlorofluoromethane	2.99	101	410349	51.951	ug/l	98
8) Diethyl Ether	3.37	74	135283	48.499	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	185771	49.527	ug/l	98
10) Methyl Iodide	3.91	142	221671	50.860	ug/l	99
11) Tert butyl alcohol	4.74	59	140614	221.576	ug/l #	83
12) 1,1-Dichloroethene	3.69	96	165182	46.751	ug/l	94
13) Acrolein	3.57	56	84170	213.825	ug/l	95
14) Allyl chloride	4.27	41	309656	44.802	ug/l	98
15) Acrylonitrile	4.93	53	432405	244.736	ug/l	100
16) Acetone	3.78	43	581243	265.164	ug/l	98
17) Carbon Disulfide	4.00	76	483085	45.720	ug/l	98
18) Methyl Acetate	4.28	43	209977	48.725	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	601400	47.293	ug/l	96
20) Methylene Chloride	4.50	84	200829	46.177	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	190983	47.606	ug/l	96
22) Diisopropyl ether	5.90	45	694896	47.363	ug/l	99
23) Vinyl Acetate	5.84	43	2852080	238.958	ug/l	98
24) 1,1-Dichloroethane	5.79	63	382723	47.471	ug/l	99
25) 2-Butanone	6.78	43	707279	253.239	ug/l	99
26) 2,2-Dichloropropane	6.77	77	371835	50.948	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	220637	47.463	ug/l	97
28) Bromochloromethane	7.15	49	177384	44.761	ug/l	98
29) Tetrahydrofuran	7.17	42	394295	230.107	ug/l	97
30) Chloroform	7.32	83	420235	49.587	ug/l	97
31) Cyclohexane	7.61	56	302076	43.183	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	371768	49.460	ug/l	98
36) 1,1-Dichloropropene	7.75	75	295477	51.350	ug/l	97
37) Ethyl Acetate	6.88	43	274980	47.129	ug/l	99
38) Carbon Tetrachloride	7.73	117	332390	54.049	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064649.D
 Acq On : 16 Nov 2020 9:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 7:01:59 PM

Quant Time: Nov 17 03:56:26 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	275339	53.378	ug/l	100
40) Benzene	8.00	78	857215	50.696	ug/l	99
41) Methacrylonitrile	7.12	41	118619	46.497	ug/l	97
42) 1,2-Dichloroethane	8.08	62	355824	52.145	ug/l	99
43) Isopropyl Acetate	8.13	43	454147	48.701	ug/l	99
44) Trichloroethene	8.80	130	213695	50.092	ug/l	99
45) 1,2-Dichloropropane	9.08	63	230664	51.126	ug/l	100
46) Dibromomethane	9.17	93	158484	53.362	ug/l	99
47) Bromodichloromethane	9.37	83	341034	53.403	ug/l	96
48) Methyl methacrylate	9.16	41	232757	49.465	ug/l	99
49) 1,4-Dioxane	9.16	88	60013	968.290	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1404211	258.213	ug/l	98
52) Toluene	10.12	92	543607	52.711	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	366498	54.133	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	380826	52.610	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	216117	53.734	ug/l	99
56) Ethyl methacrylate	10.40	69	301706	45.755	ug/l	98
57) 1,3-Dichloropropane	10.68	76	366195	52.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	839614	266.924	ug/l	97
59) 2-Hexanone	10.72	43	1096330	247.271	ug/l	100
60) Dibromochloromethane	10.87	129	254912	56.609	ug/l	100
61) 1,2-Dibromoethane	10.97	107	220269	53.993	ug/l	100
64) Tetrachloroethene	10.60	164	202632	49.582	ug/l	97
65) Chlorobenzene	11.41	112	581717	50.015	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	231896	53.444	ug/l	99
67) Ethyl Benzene	11.48	91	1060013	51.238	ug/l	100
68) m/p-Xylenes	11.59	106	795727	106.058	ug/l	100
69) o-Xylene	11.92	106	370006	51.035	ug/l	100
70) Styrene	11.94	104	651487	53.401	ug/l	99
71) Bromoform	12.10	173	162231	49.800	ug/l #	99
73) Isopropylbenzene	12.22	105	998001	49.355	ug/l	100
74) N-amyl acetate	12.04	43	403151	41.324	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	297758	47.941	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	271555m	44.054	ug/l	
77) Bromobenzene	12.50	156	231868	46.967	ug/l	99
78) n-propylbenzene	12.56	91	1187330	51.503	ug/l	100
79) 2-Chlorotoluene	12.65	91	713695	48.811	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	856521	51.345	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	107895	48.873	ug/l	99
82) 4-Chlorotoluene	12.75	91	775739	50.660	ug/l	99
83) tert-Butylbenzene	12.97	119	672471	51.615	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	875908	52.231	ug/l	100
85) sec-Butylbenzene	13.14	105	906827	54.957	ug/l	100
86) p-Isopropyltoluene	13.26	119	825585	55.625	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	433084	50.748	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	434853	49.307	ug/l	98
89) n-Butylbenzene	13.59	91	713363	55.902	ug/l	100
90) Hexachloroethane	13.85	117	158712	55.434	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	427461	52.073	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	60971	49.306	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
Data File : VN064649.D
Acq On : 16 Nov 2020 9:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM

Quant Time: Nov 17 03:56:26 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	195472	47.995	ug/l	100
94) Hexachlorobutadiene	14.98	225	102874	61.552	ug/l	96
95) Naphthalene	15.10	128	590392	42.869	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	194357	49.255	ug/l	99

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

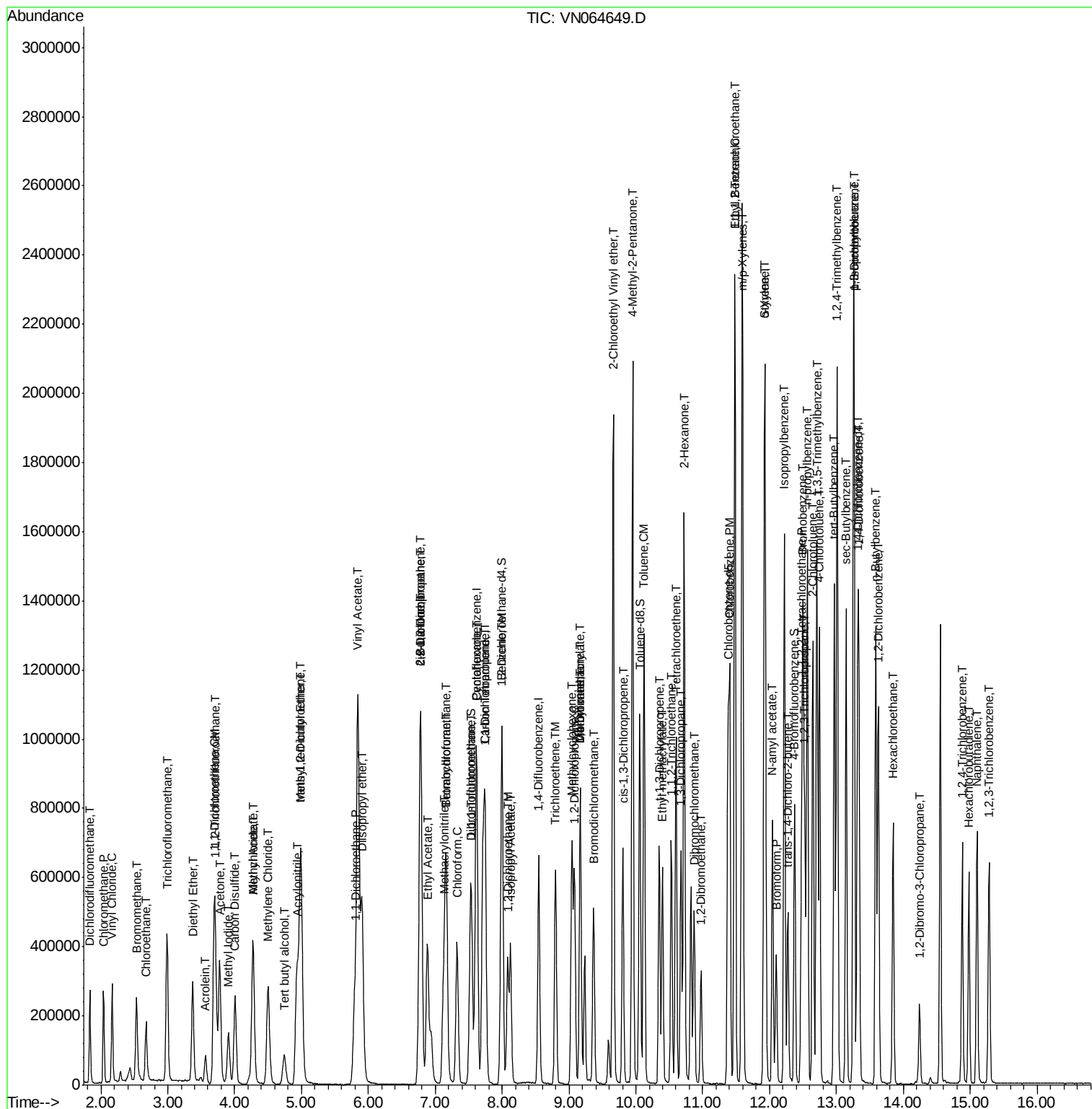
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111620\
Data File : VN064649.D
Acq On : 16 Nov 2020 9:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

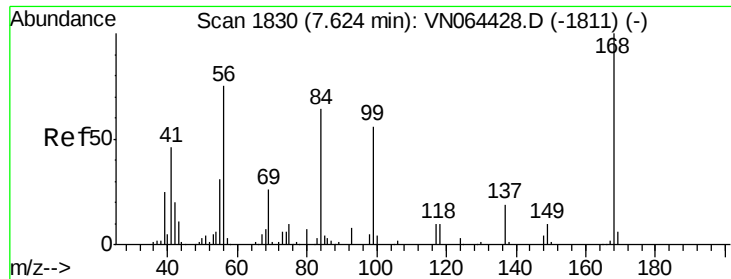
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM

Quant Time: Nov 17 03:56:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 330371

Ion Ratio Lower Upper

168 100

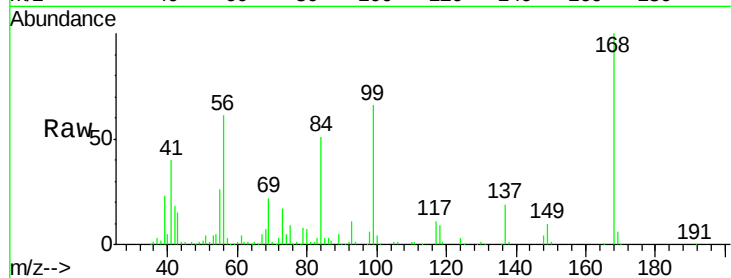
99 66.1 53.4 80.2

Manual Integrations

APPROVED

MMDadoda

11/17/2020 7:01:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

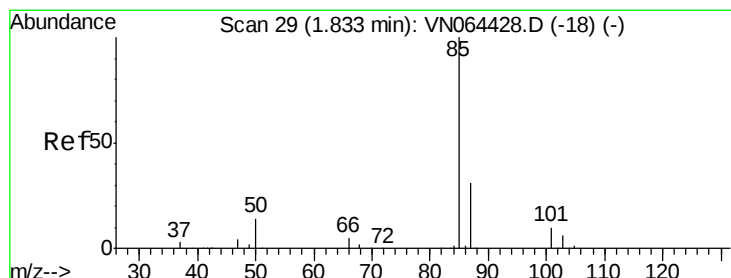
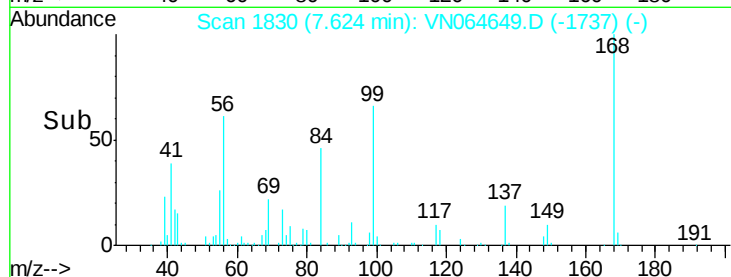
100000

50000

0

7.50 7.60 7.70

7.62



#2

Dichlorodifluoromethane

Concen: 46.508 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064649.D

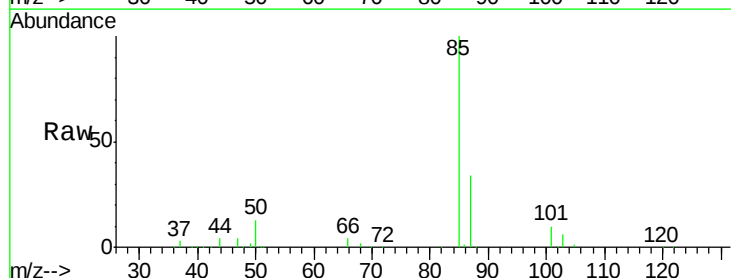
Acq: 16 Nov 2020 9:21

Tgt Ion: 85 Resp: 200011

Ion Ratio Lower Upper

85 100

87 33.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

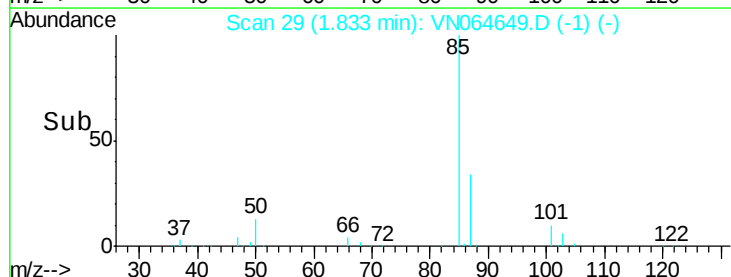
100000

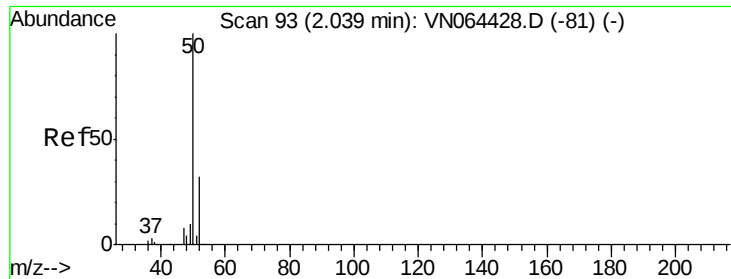
50000

0

1.75 1.80 1.85 1.90

1.83





#3

Chloromethane

Concen: 42.463 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 221810

Ion Ratio Lower Upper

50 100

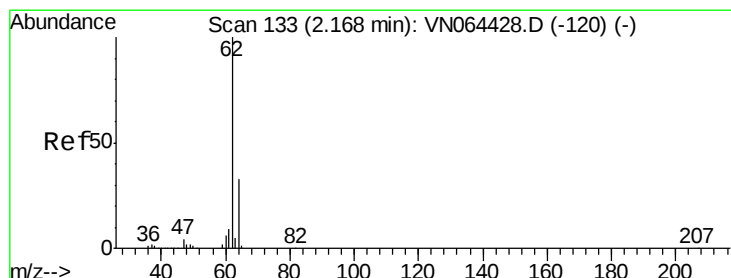
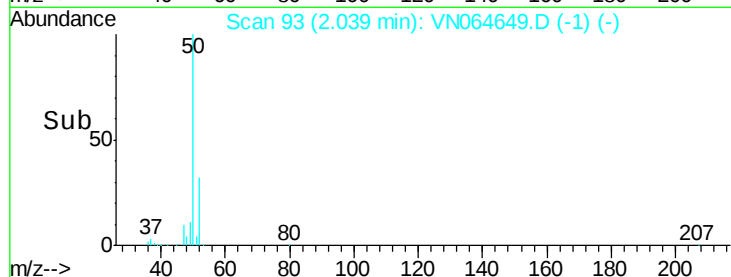
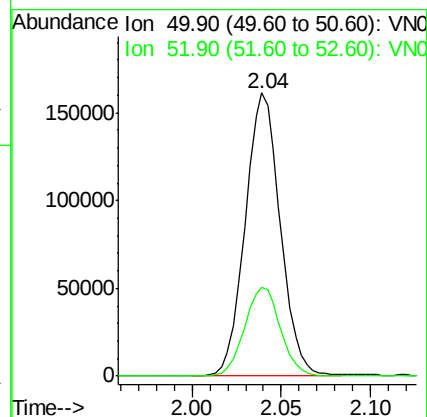
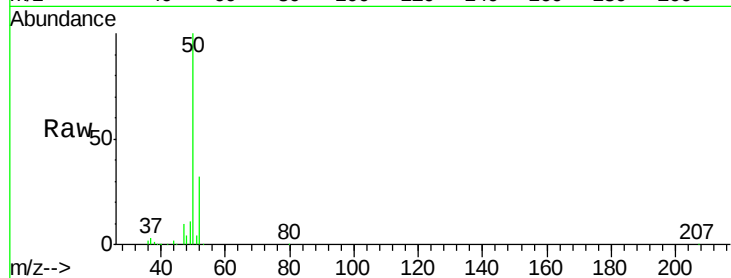
52 31.5 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

11/17/2020 7:01:59 PM



#4

Vinyl Chloride

Concen: 46.940 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064649.D

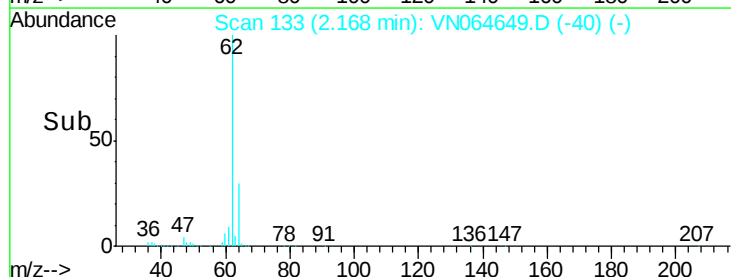
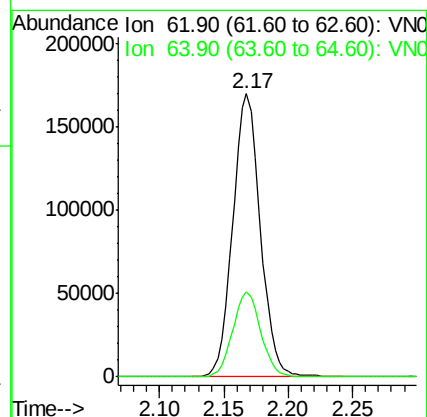
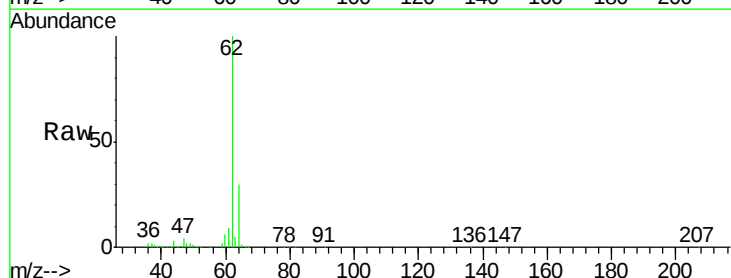
Acq: 16 Nov 2020 9:21

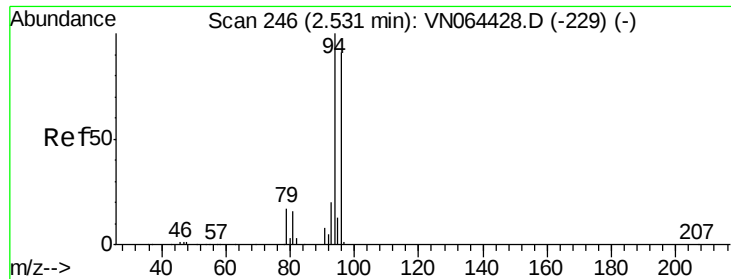
Tgt Ion: 62 Resp: 251797

Ion Ratio Lower Upper

62 100

64 29.8 26.3 39.5





#5

Bromomethane

Concen: 49.976 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 171263

Ion Ratio Lower Upper

94 100

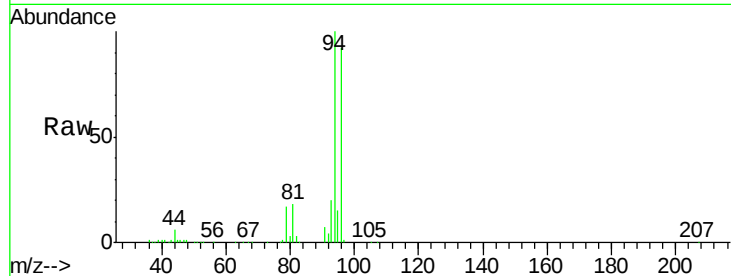
96 92.0 73.1 109.7

Manual Integrations

APPROVED

MMDadoda

11/17/2020 7:01:59 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

80000

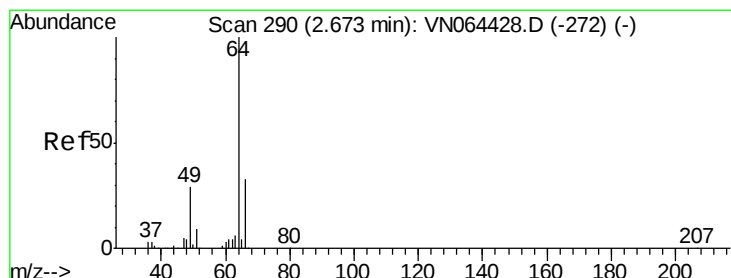
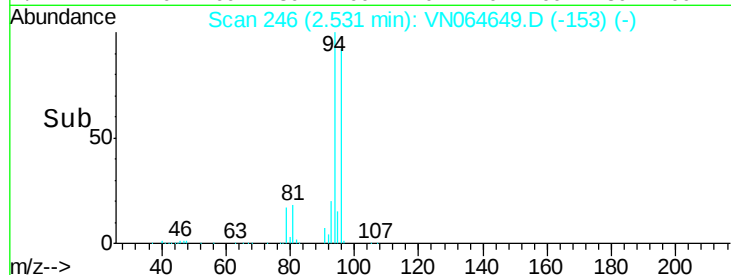
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.575 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064649.D

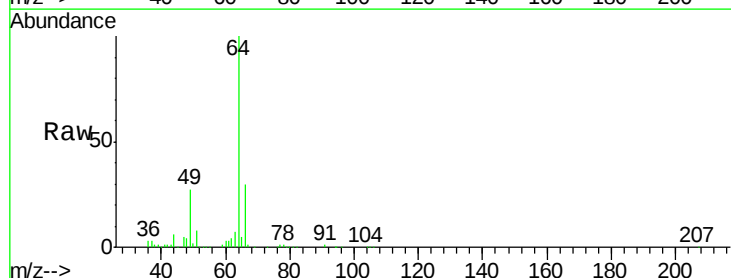
Acq: 16 Nov 2020 9:21

Tgt Ion: 64 Resp: 163392

Ion Ratio Lower Upper

64 100

66 29.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

80000

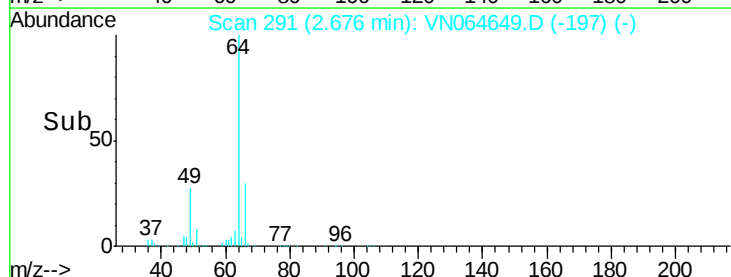
60000

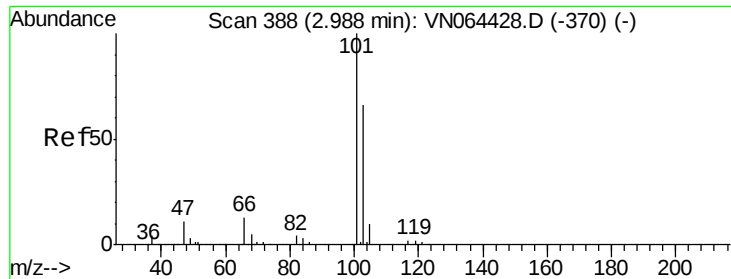
40000

20000

0

Time-->





#7

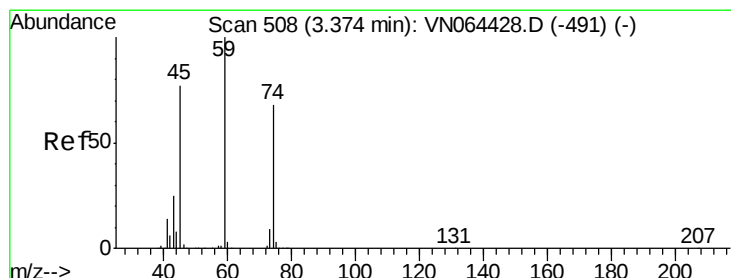
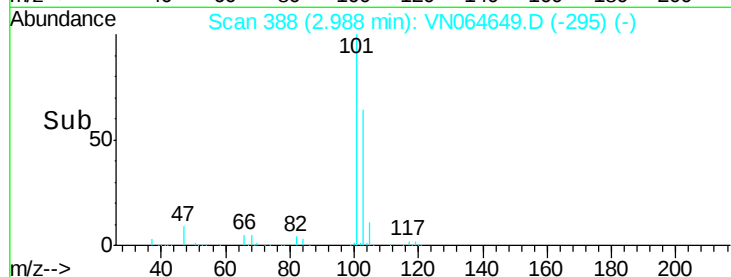
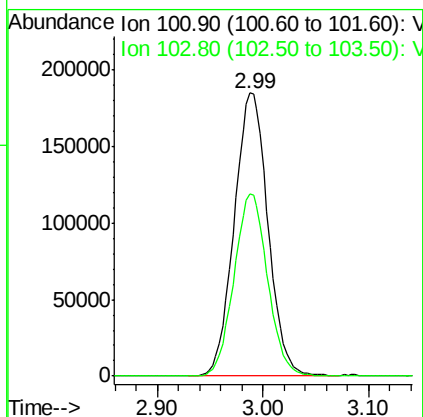
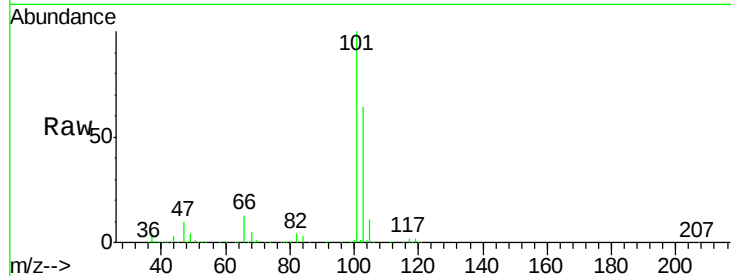
Trichlorofluoromethane
Concen: 51.951 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.4	78.6

Manual Integrations
APPROVED

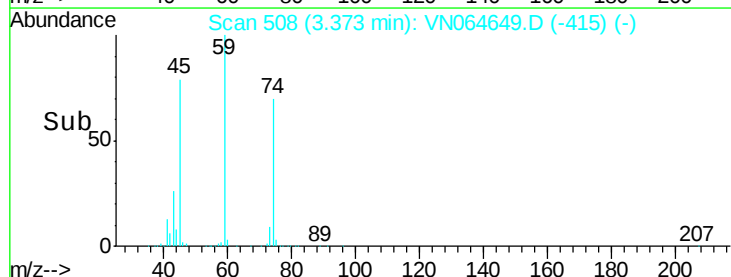
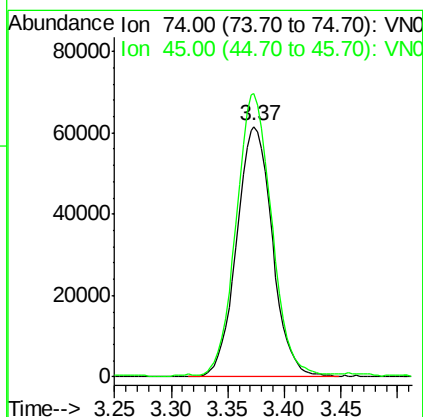
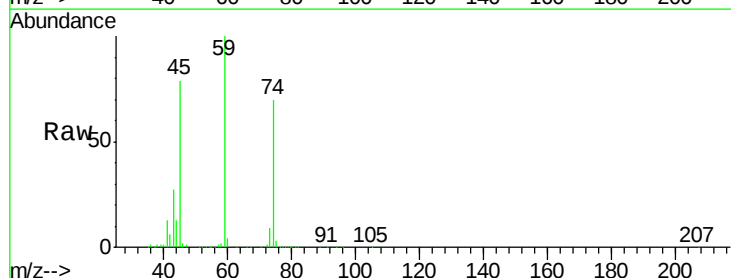
MMDadoda
11/17/2020 7:01:59 PM

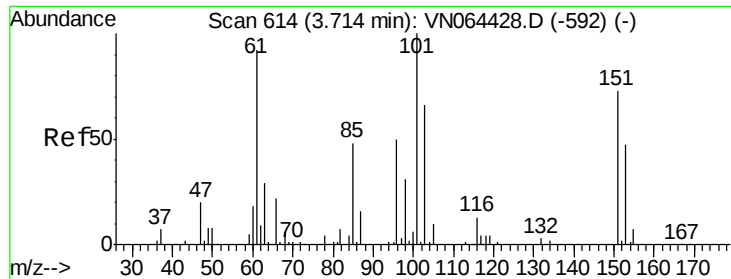


#8

Diethyl Ether
Concen: 48.499 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.527 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

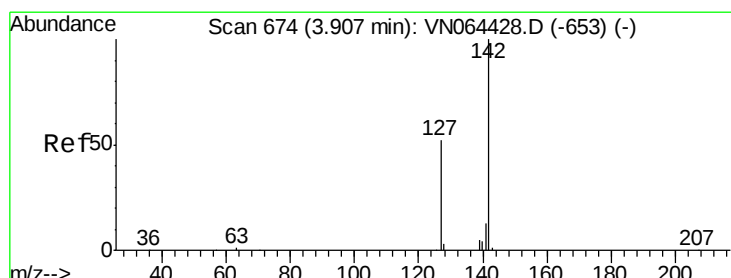
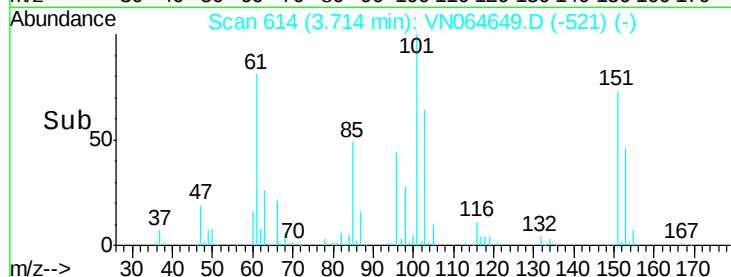
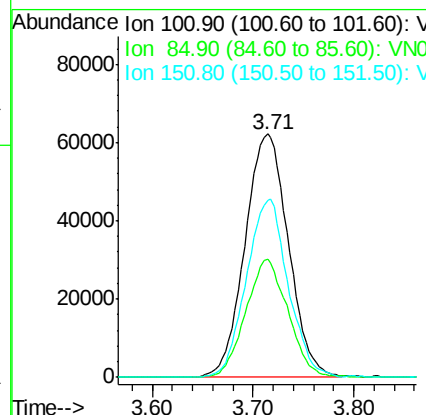
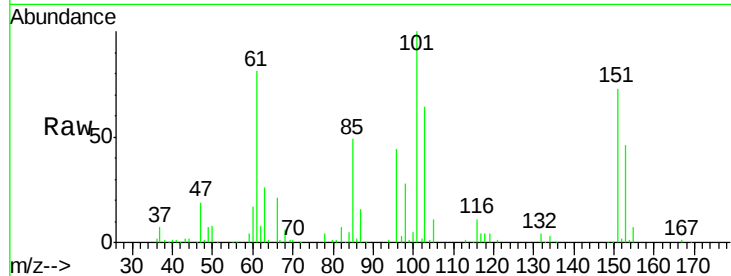
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	185771
Ion Ratio	Lower	Upper	
101	100		
85	47.2	38.6	57.8
151	70.5	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM



#10

Methyl Iodide

Concen: 50.860 ug/l

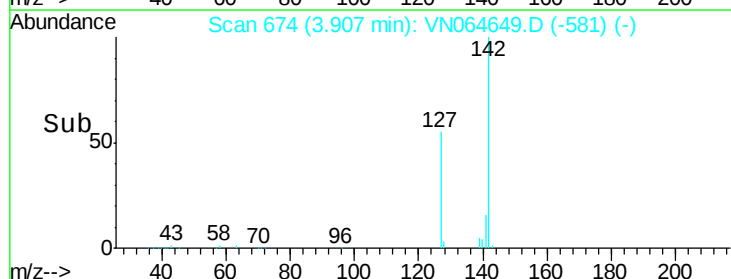
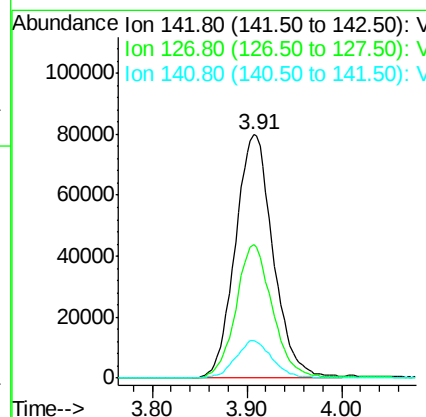
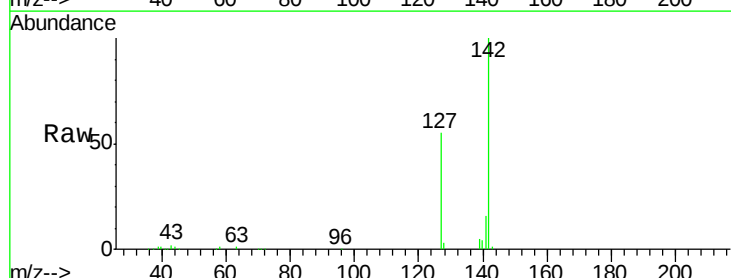
RT: 3.91 min Scan# 674

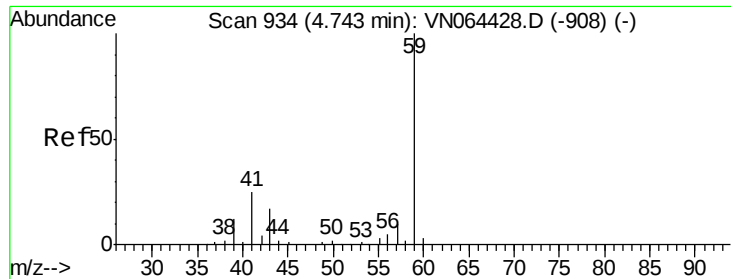
Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Tgt Ion:	142	Resp:	221671
Ion Ratio	Lower	Upper	
142	100		
127	52.9	41.8	62.8
141	14.9	11.4	17.2





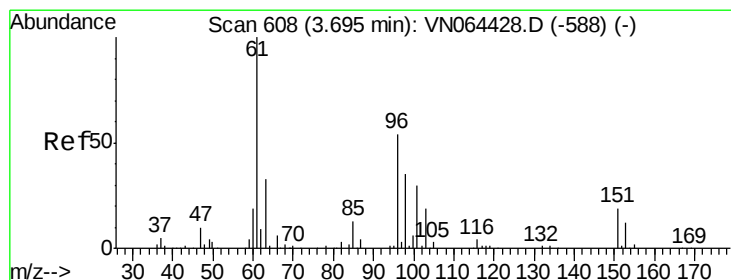
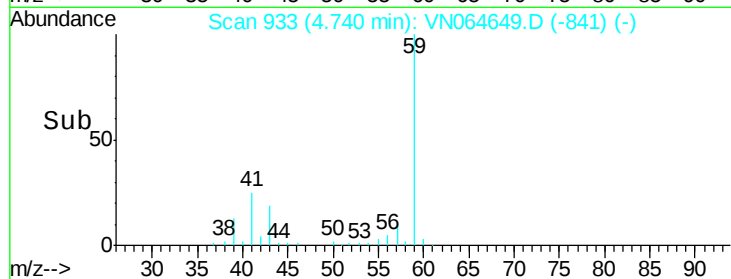
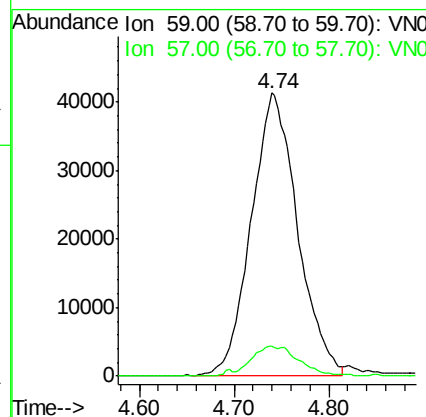
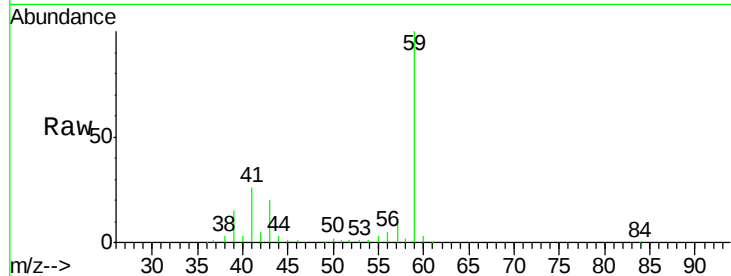
#11
Tert butyl alcohol
Concen: 221.576 ug/l
RT: 4.74 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	140614		
57	4.7	9.0	13.4#	

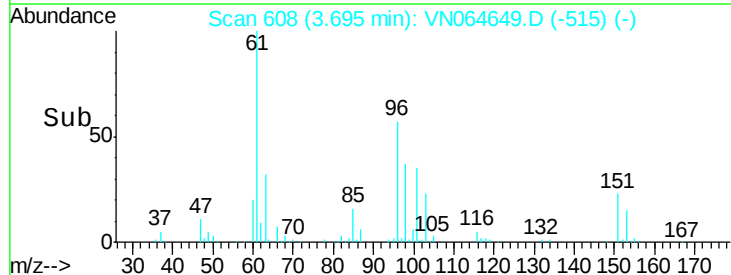
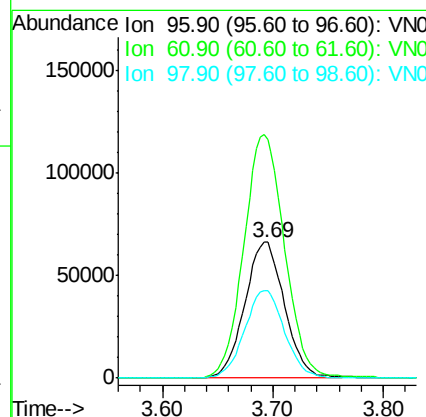
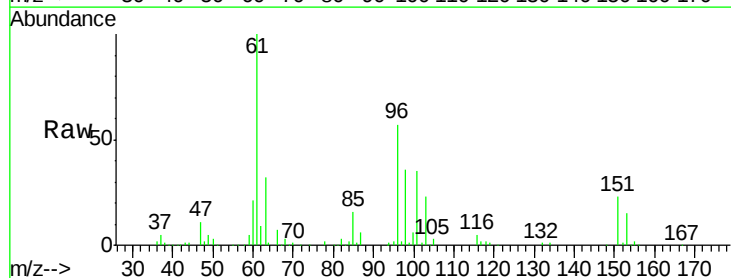
Manual Integrations
APPROVED

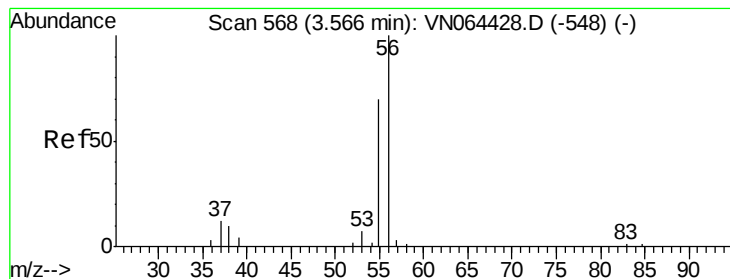
MMDadoda
11/17/2020 7:01:59 PM



#12
1,1-Dichloroethene
Concen: 46.751 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	165182		
61	175.7	149.5	224.3	
98	64.0	52.4	78.6	





#13

Acrolein

Concen: 213.825 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 84170

Ion Ratio Lower Upper

56 100

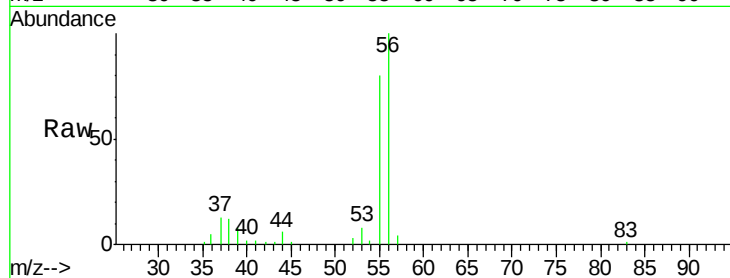
55 73.7 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

11/17/2020 7:01:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

3.57

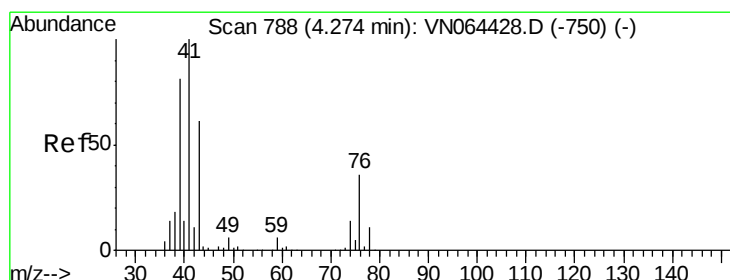
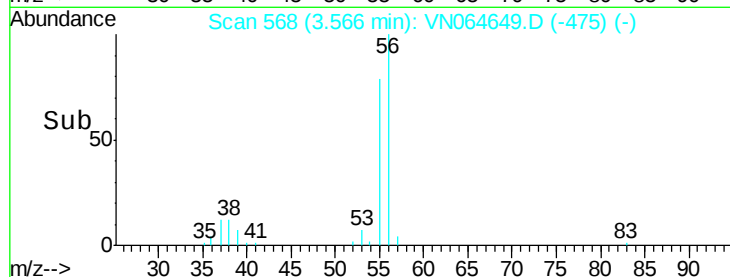
3.57

3.57

3.57

3.57

3.57



#14

Allyl chloride

Concen: 44.802 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

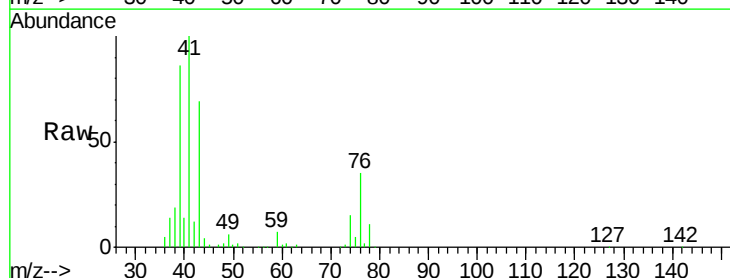
Tgt Ion: 41 Resp: 309656

Ion Ratio Lower Upper

41 100

39 79.3 61.8 92.8

76 32.0 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN064428.D (-750) (-)

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

4.27

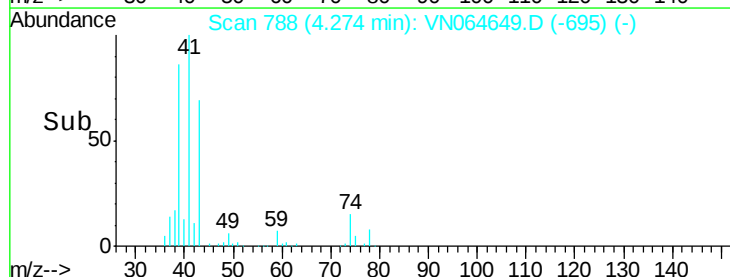
4.27

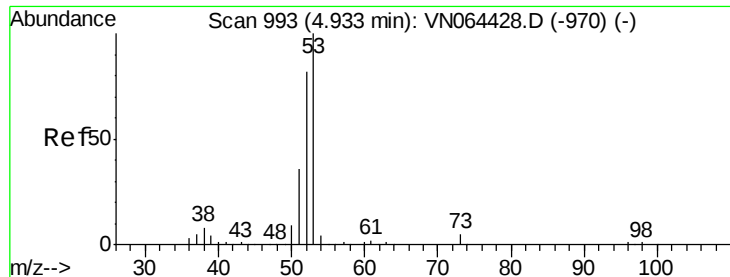
4.27

4.27

4.27

4.27





#15

Acrylonitrile

Concen: 244.736 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

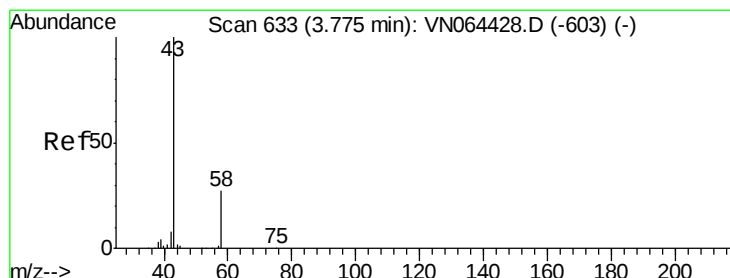
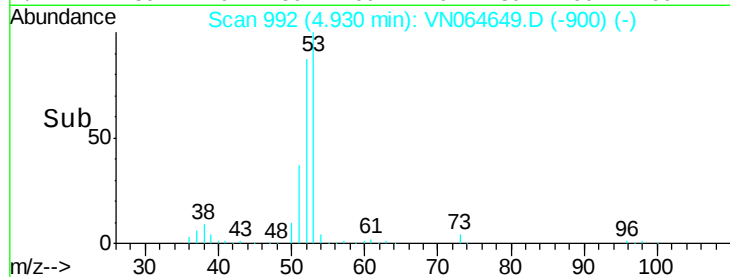
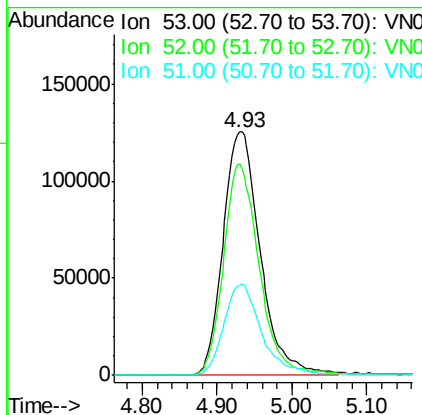
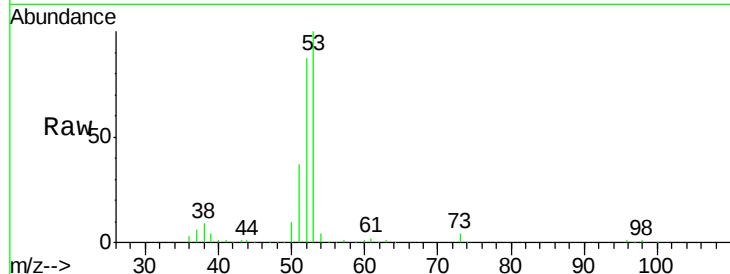
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	432405
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.6	98.4
51	37.9	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM



#16

Acetone

Concen: 265.164 ug/l

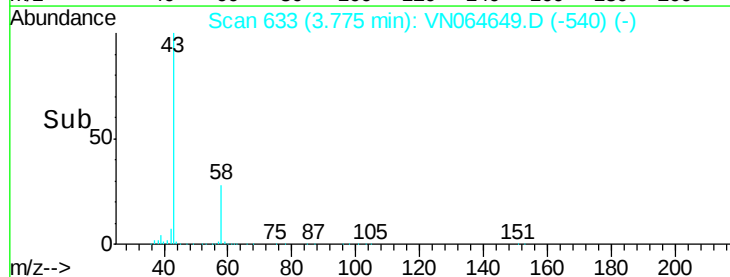
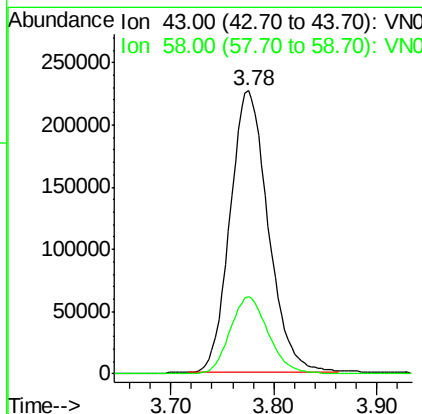
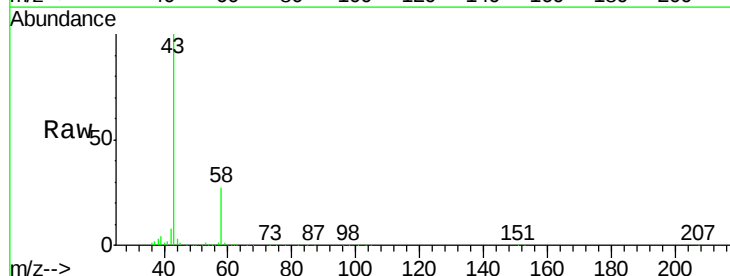
RT: 3.78 min Scan# 633

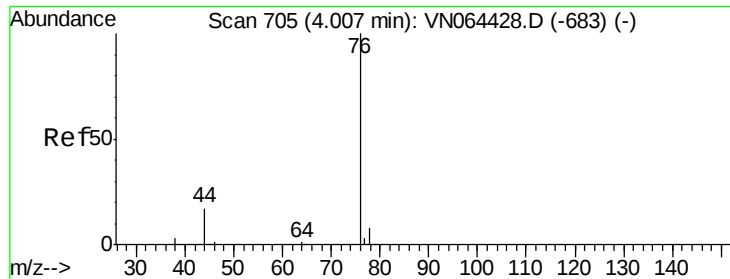
Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Tgt Ion:	43	Resp:	581243
Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.4	32.0





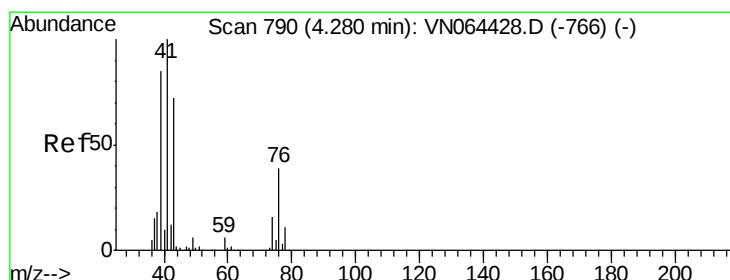
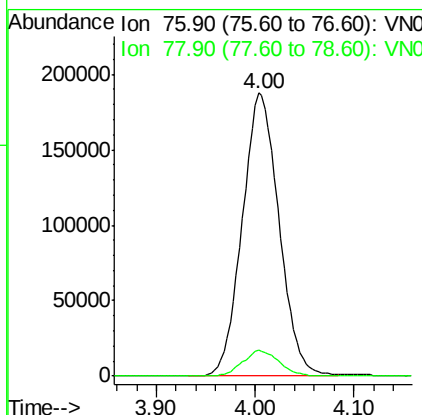
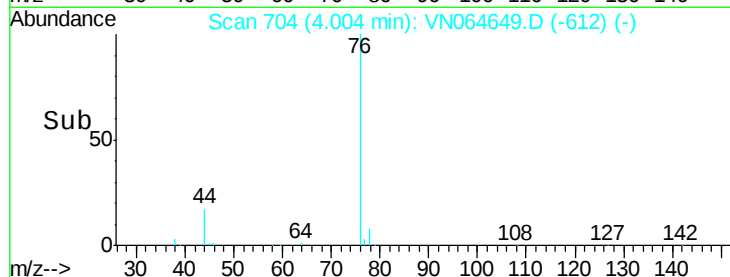
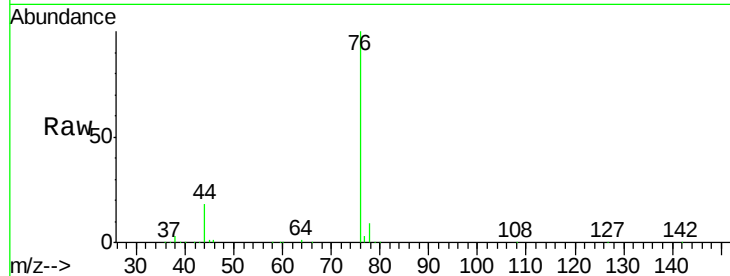
#17
Carbon Disulfide
Concen: 45.720 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 483085
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2

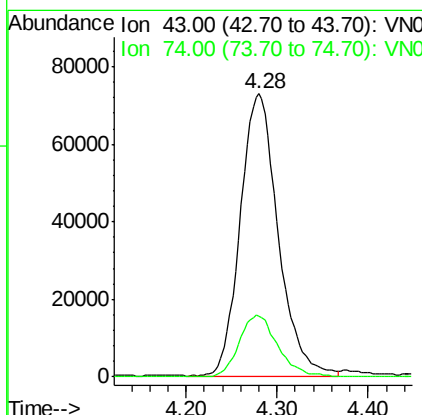
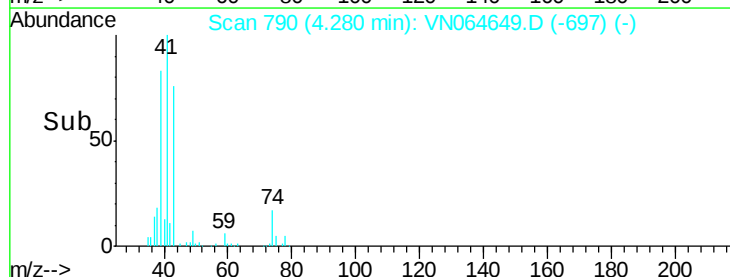
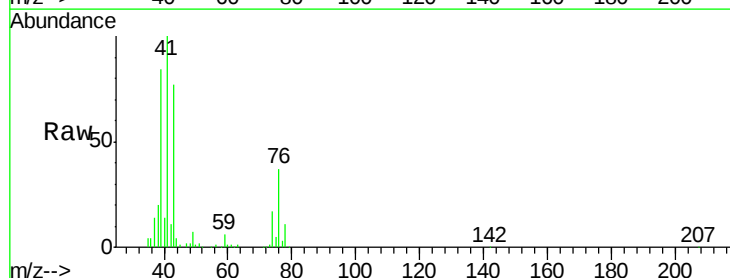
Manual Integrations
APPROVED

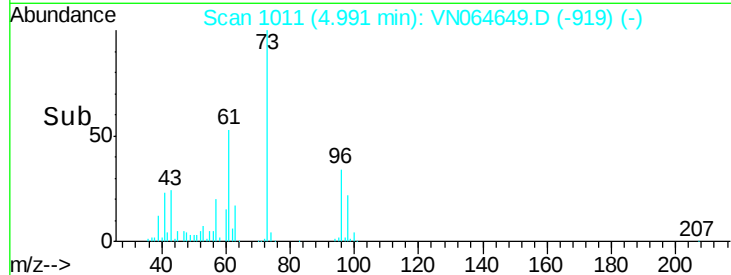
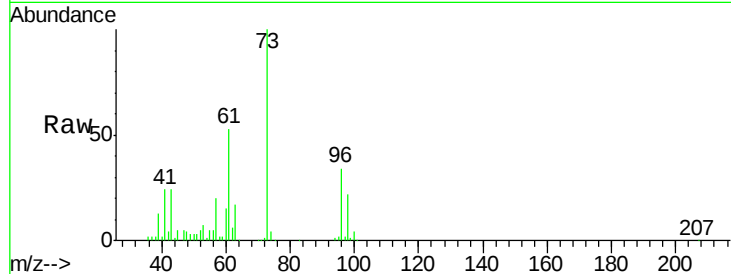
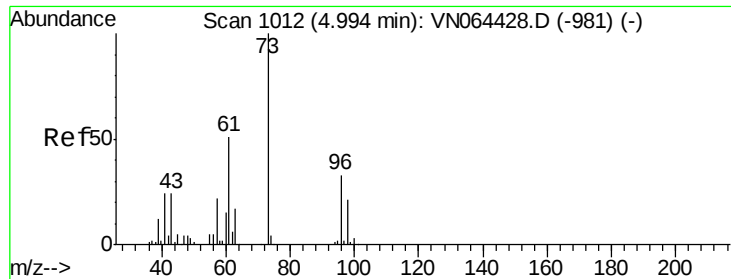
MMDadoda
11/17/2020 7:01:59 PM



#18
Methyl Acetate
Concen: 48.725 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 43 Resp: 209977
Ion Ratio Lower Upper
43 100
74 21.9 17.0 25.4





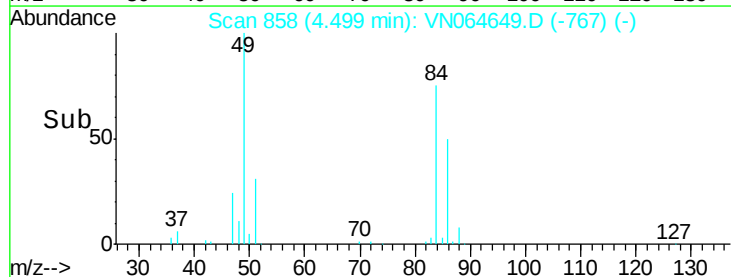
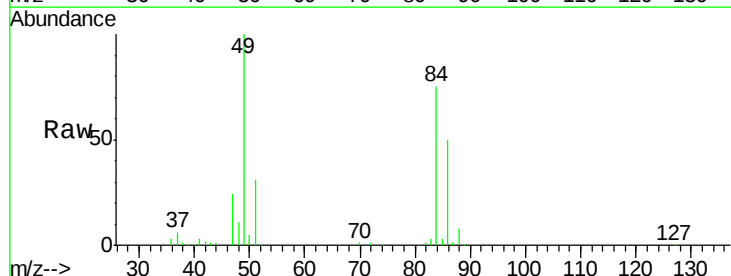
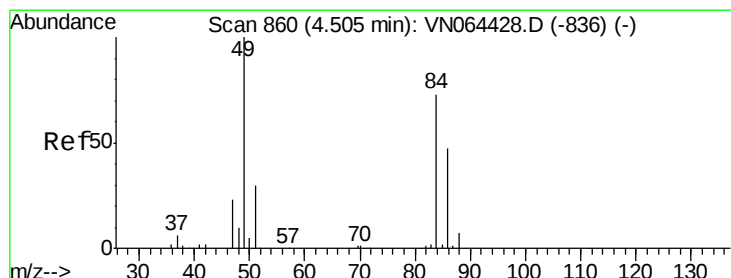
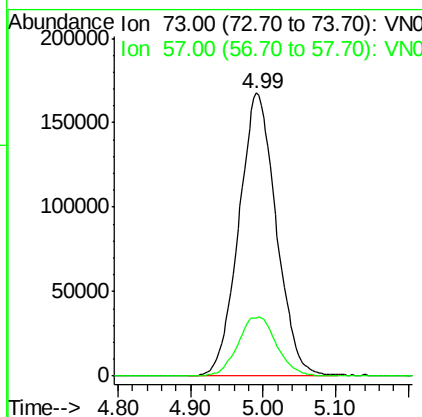
#19
Methvl tert-butvl Ether
Concen: 47.293 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tot Ion: 73 Resp: 601400
Ion Ratio Lower Upper
73 100
57 20.4 17.7 26.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

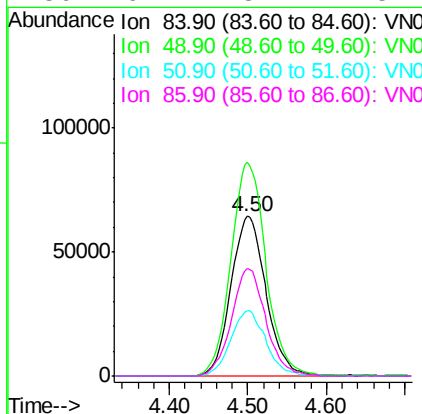
Manual Integrations
APPROVED

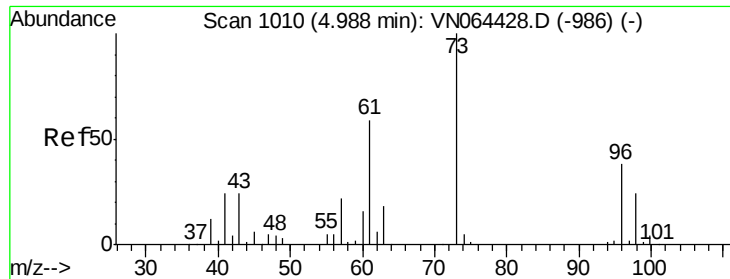
MMDadoda
11/17/2020 7:01:59 PM



#20
Methylene Chloride
Concen: 46.177 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 84 Resp: 200829
Ion Ratio Lower Upper
84 100
49 133.7 110.1 165.1
51 40.8 33.6 50.4
86 67.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.606 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 190983

Ion Ratio Lower Upper

96 100

61 158.1 122.4 183.6

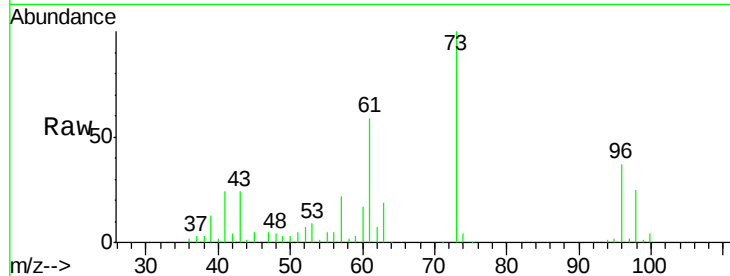
98 65.6 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

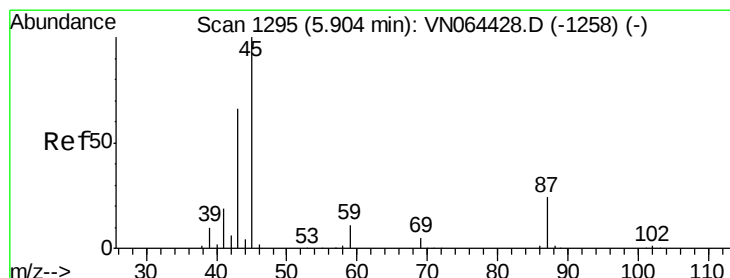
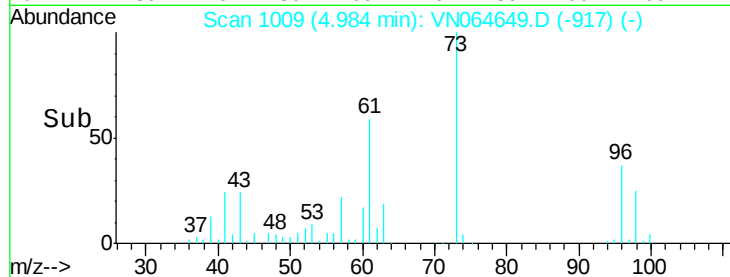
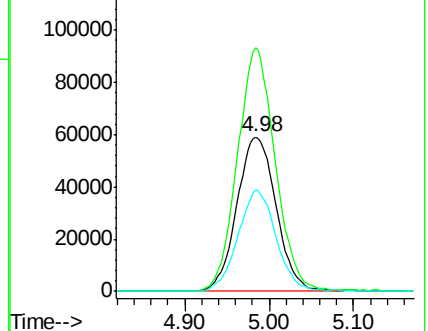
11/17/2020 7:01:59 PM



Abundance Ion 95.90 (95.60 to 96.60): VN064428.D (-986) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-986) (-)

Ion 97.90 (97.60 to 98.60): VN064428.D (-986) (-)



#22

Diisopropyl ether

Concen: 47.363 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Tgt Ion: 45 Resp: 694896

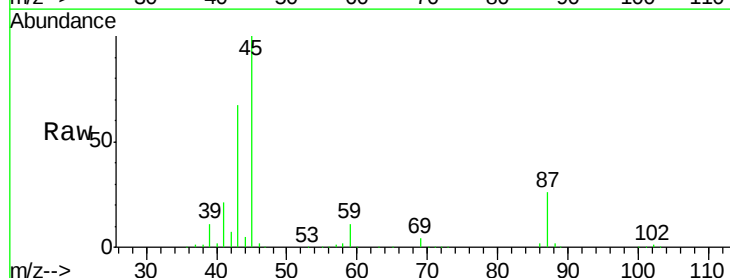
Ion Ratio Lower Upper

45 100

43 65.6 53.2 79.8

87 25.6 19.9 29.9

59 11.1 8.6 13.0

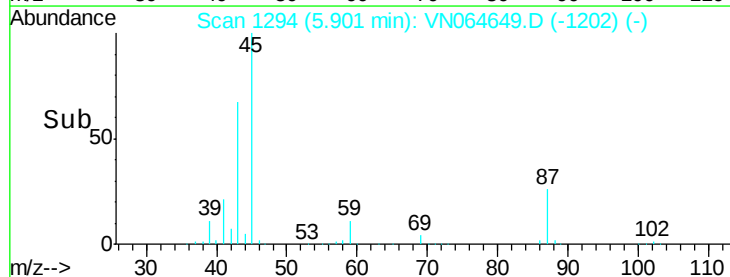
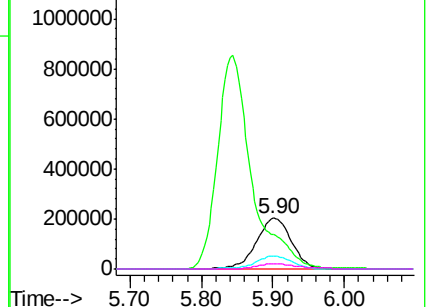


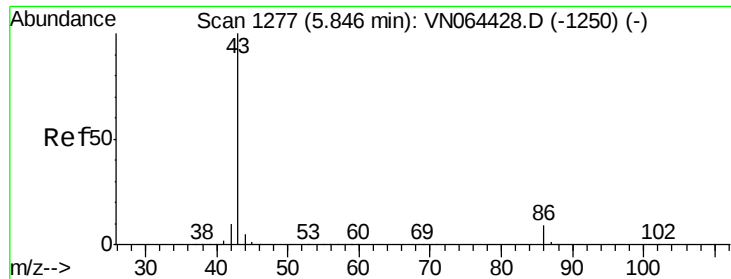
Abundance Ion 45.00 (44.70 to 45.70): VN064428.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN064428.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN064428.D (-1258) (-)





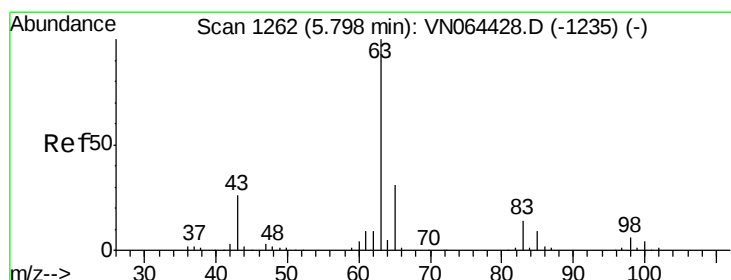
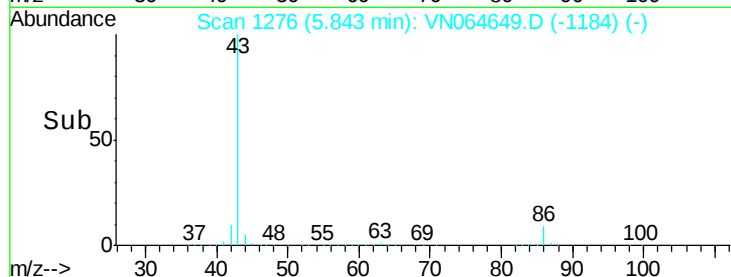
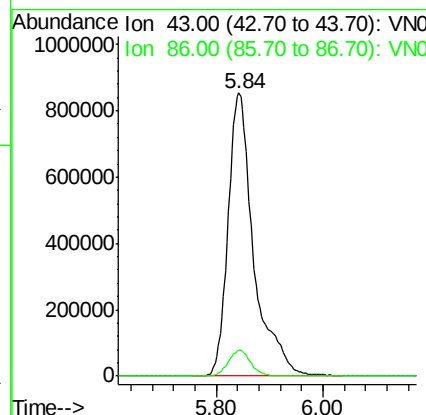
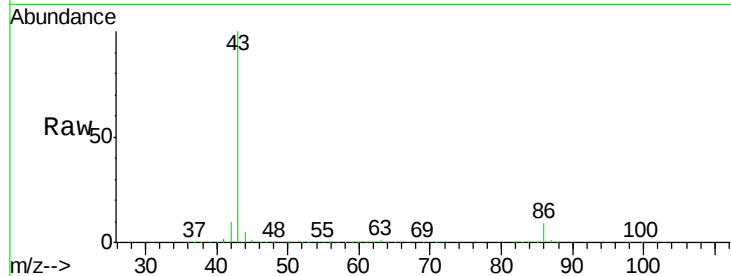
#23
 Vinyl Acetate
 Concen: 238.958 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2852080
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.8 10.2

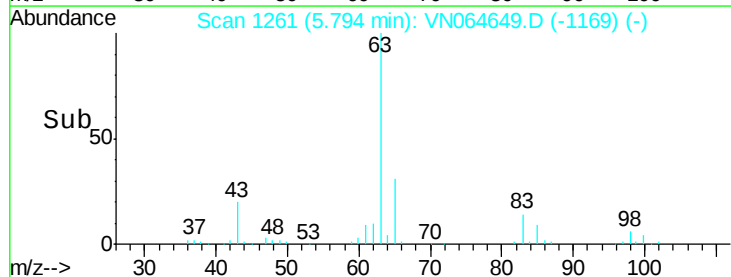
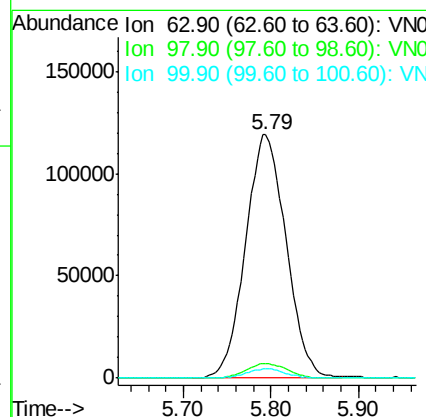
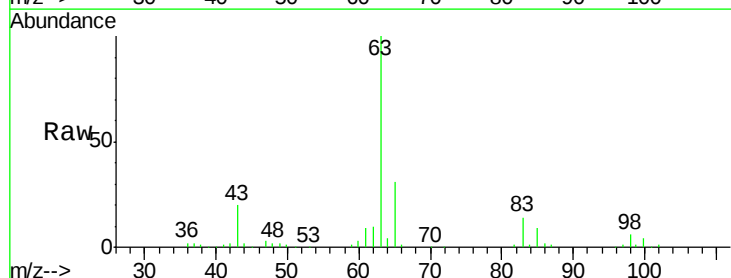
Manual Integrations
 APPROVED

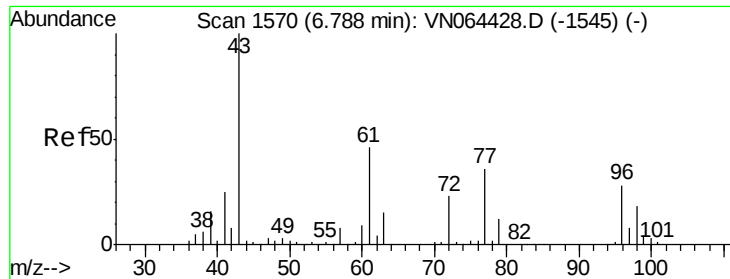
MMDadoda
 11/17/2020 7:01:59 PM



#24
 1,1-Dichloroethane
 Concen: 47.471 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 63 Resp: 382723
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 253.239 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 707279

Ion Ratio Lower Upper

43 100

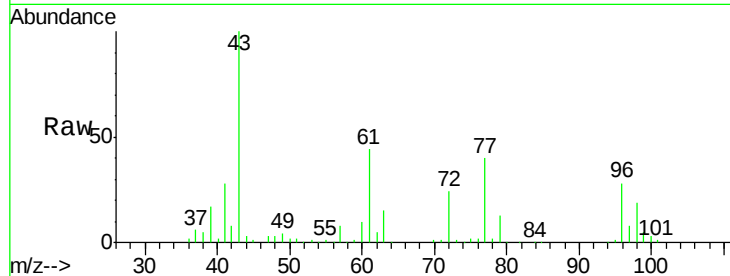
72 23.8 18.5 27.7

Manual Integrations

APPROVED

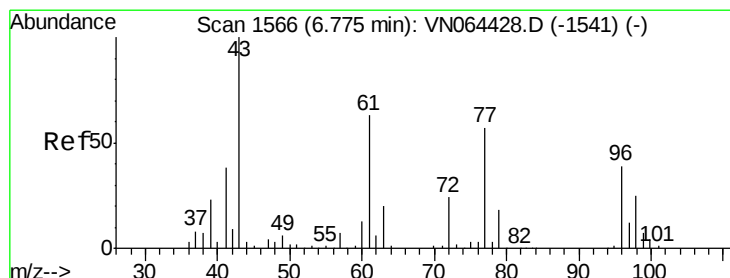
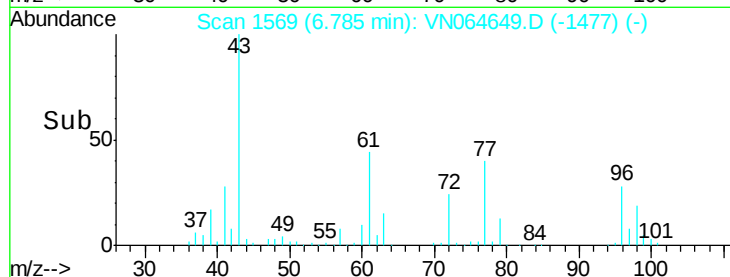
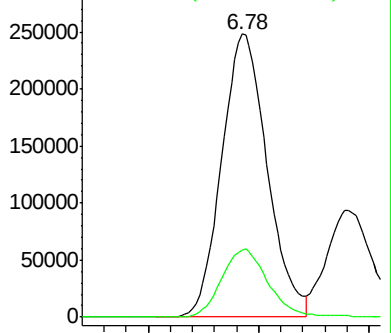
MMDadoda

11/17/2020 7:01:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.948 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064649.D

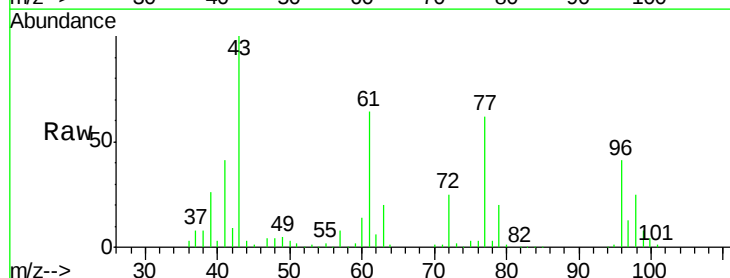
Acq: 16 Nov 2020 9:21

Tgt Ion: 77 Resp: 371835

Ion Ratio Lower Upper

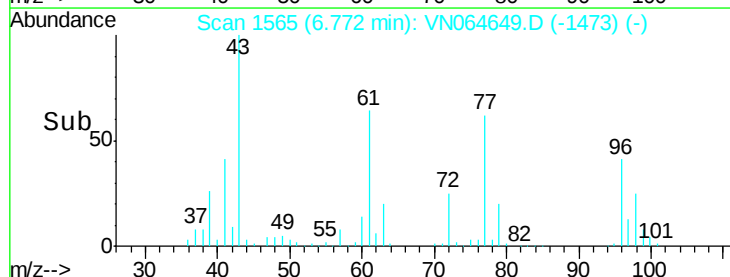
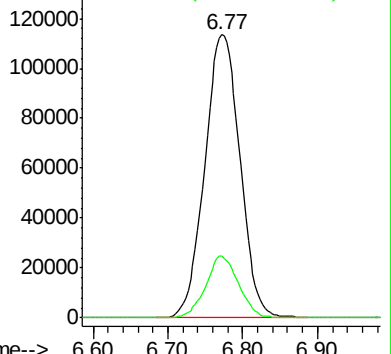
77 100

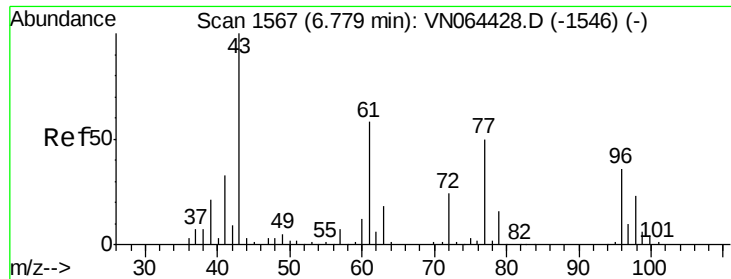
97 20.4 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





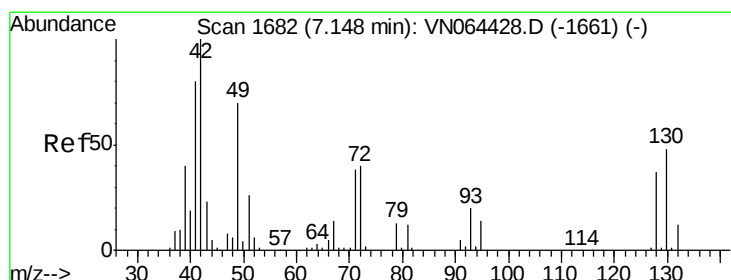
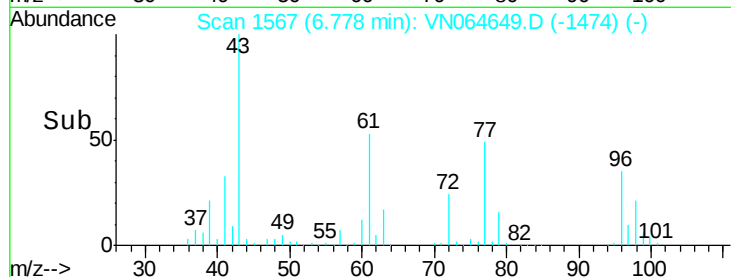
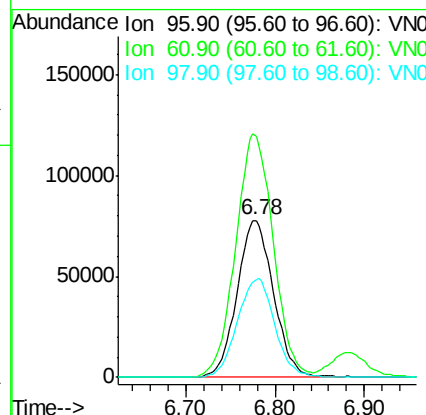
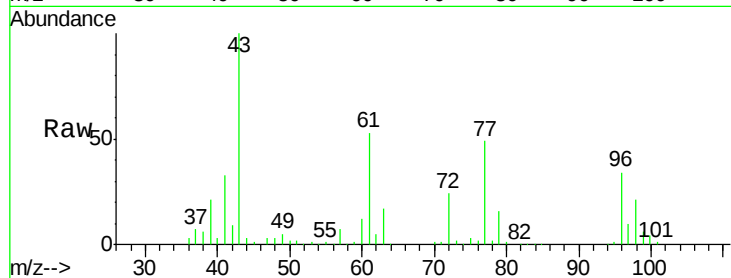
#27
 cis-1,2-Dichloroethene
 Concen: 47.463 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	220637		
61	160.1	0.0	329.6	
98	64.5	0.0	131.2	

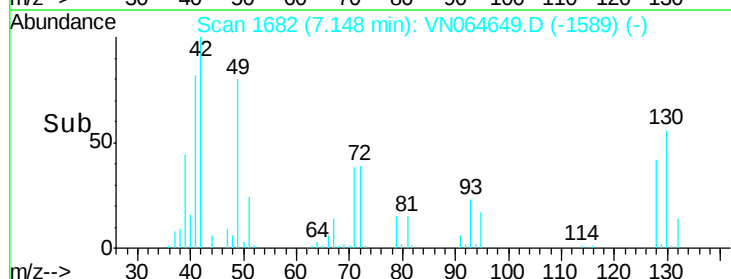
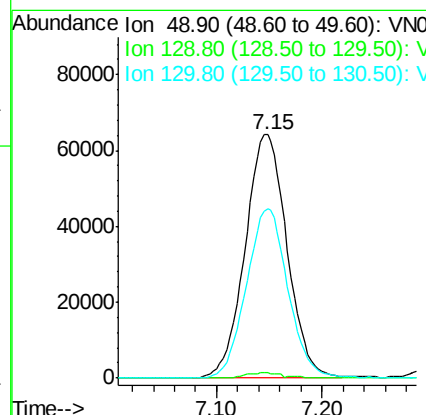
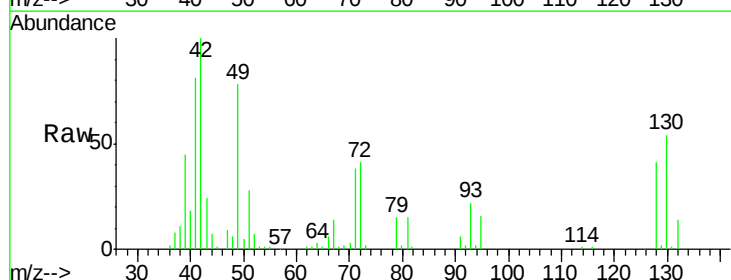
Manual Integrations
 APPROVED

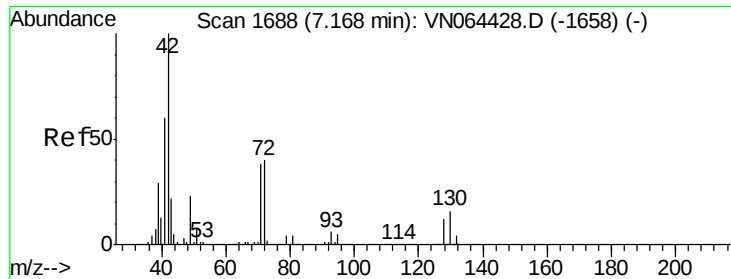
MMDadoda
 11/17/2020 7:01:59 PM



#28
 Bromochloromethane
 Concen: 44.761 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	177384		
129	1.6	0.0	3.6	
130	69.1	54.2	81.4	





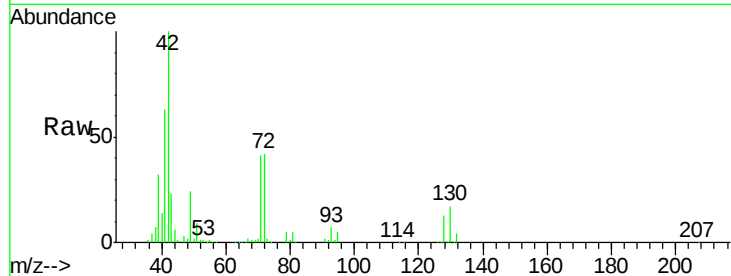
#29
Tetrahydrofuran
Concen: 230.107 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

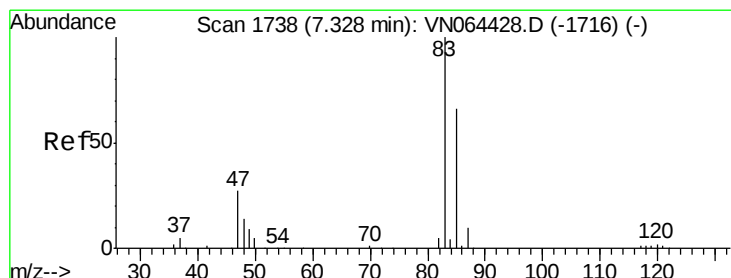
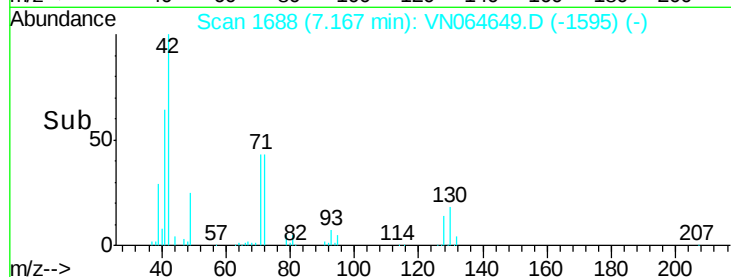
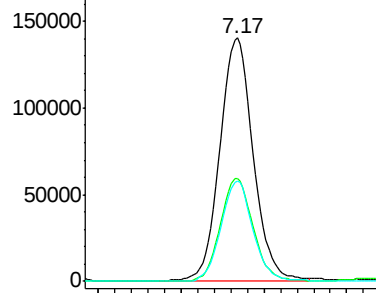
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	31.7	47.5
71	39.1	29.8	44.6

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM

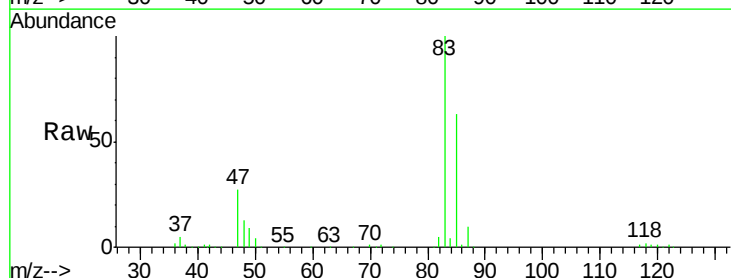


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

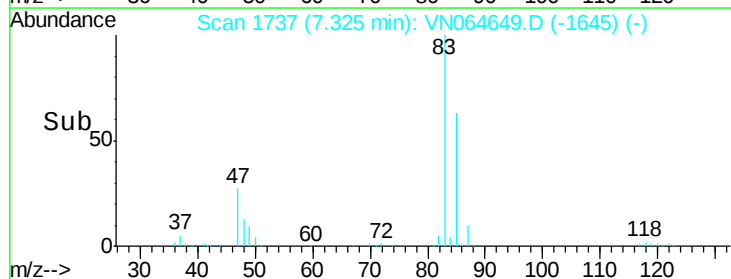
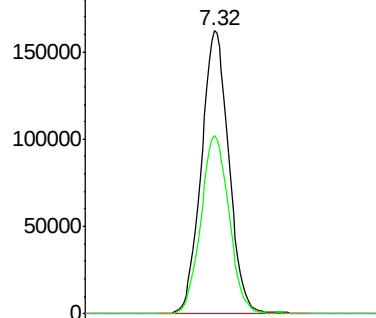


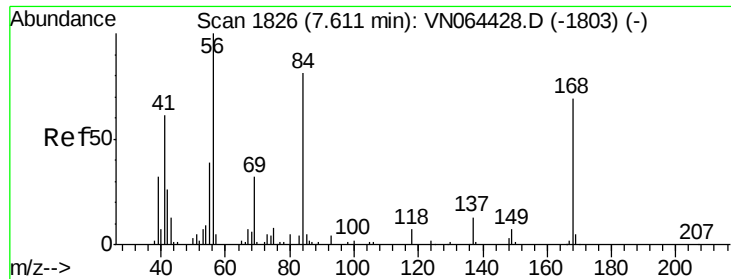
#30
Chloroform
Concen: 49.587 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





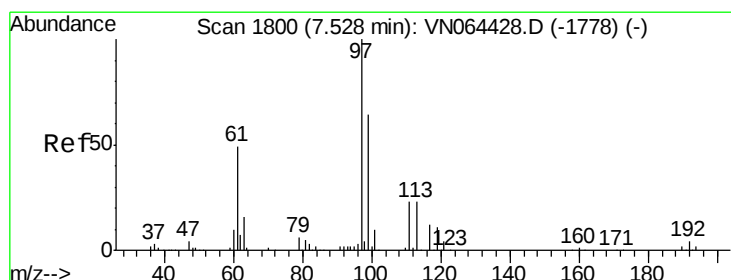
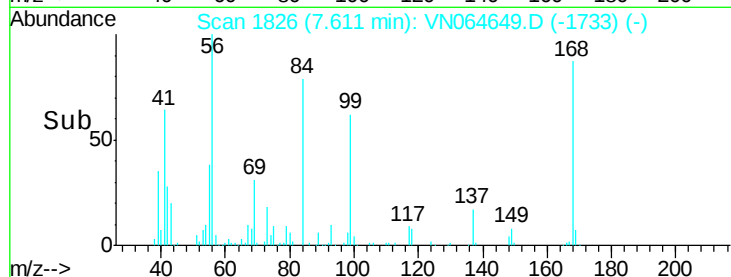
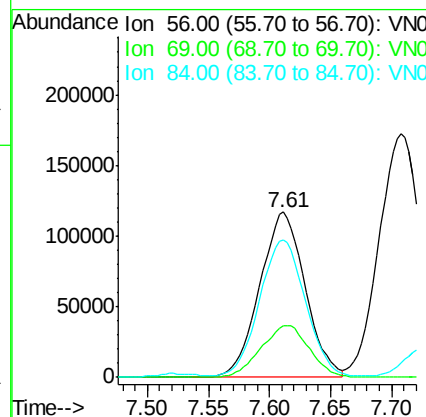
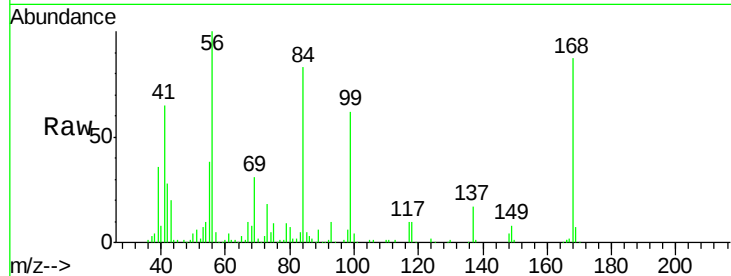
#31
Cyclohexane
Concen: 43.183 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.6	38.4
84	81.3	63.0	94.6

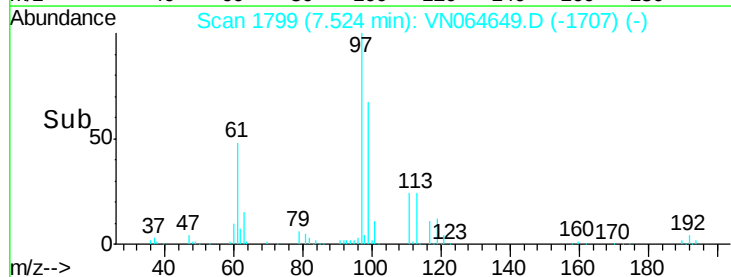
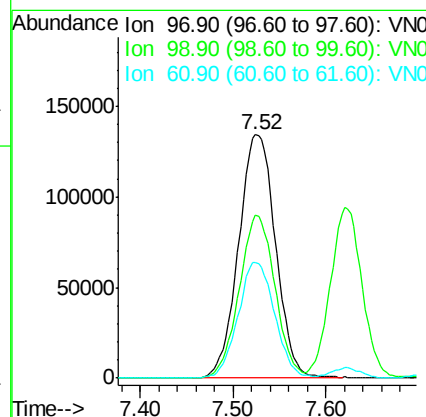
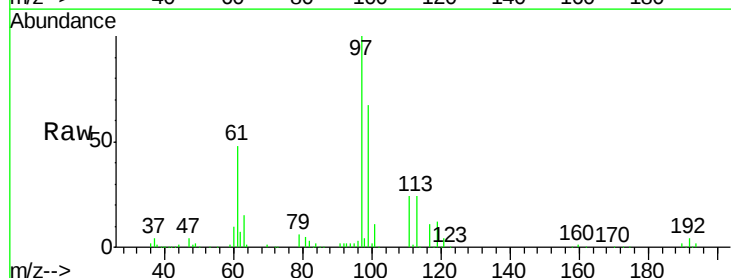
Manual Integrations
APPROVED

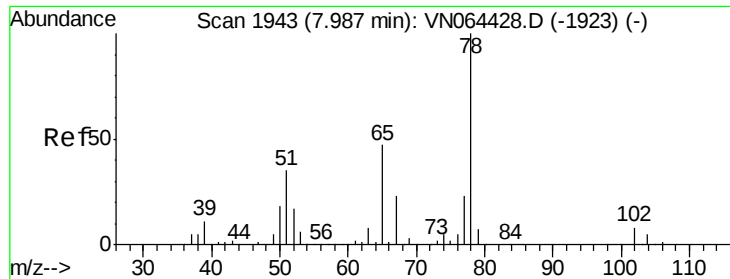
MMDadoda
11/17/2020 7:01:59 PM



#32
1,1,1-Trichloroethane
Concen: 49.460 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	47.2	39.1	58.7





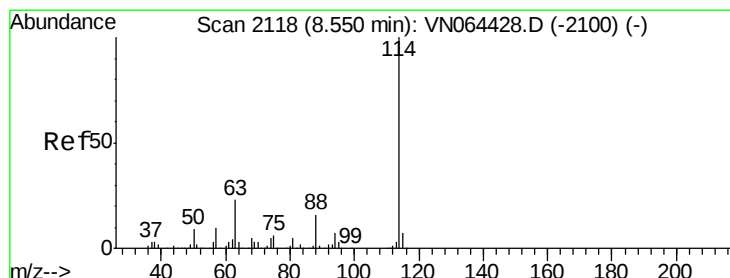
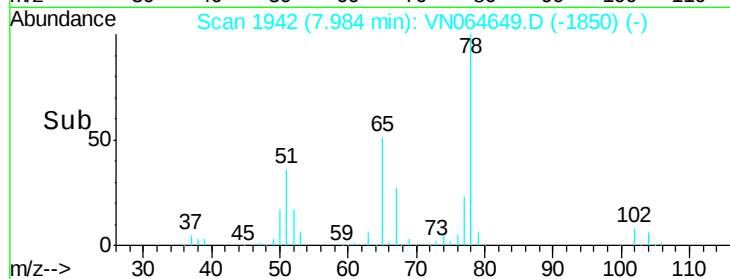
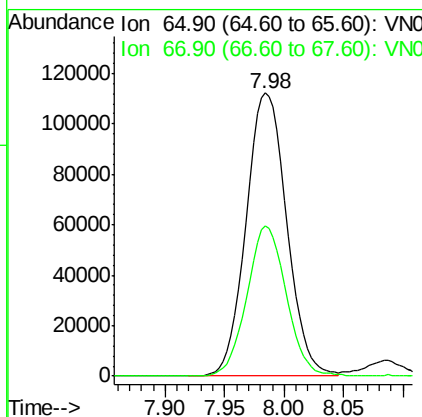
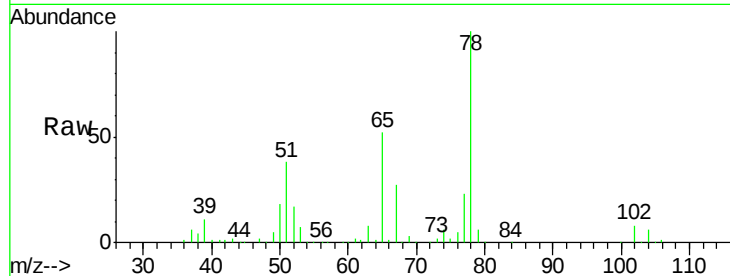
#33
 1,2-Dichloroethane-d4
 Concen: 46.257 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266187		
67	51.4	0.0	101.6	

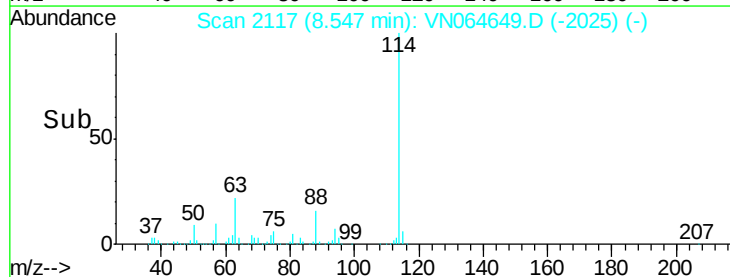
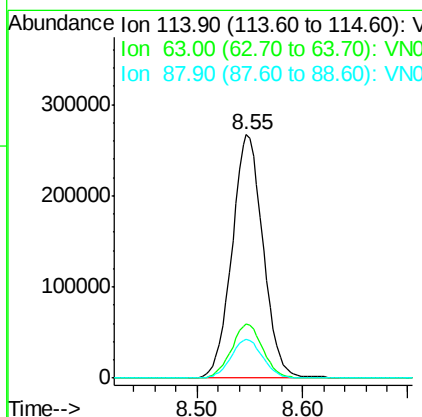
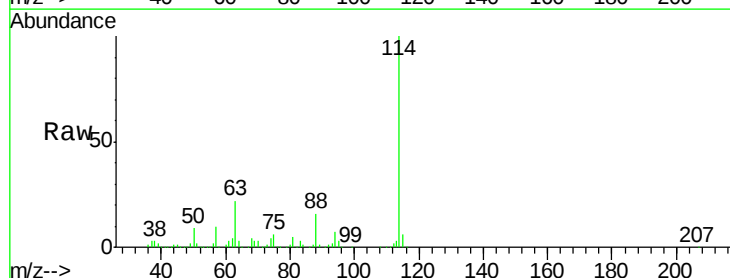
Manual Integrations
 APPROVED

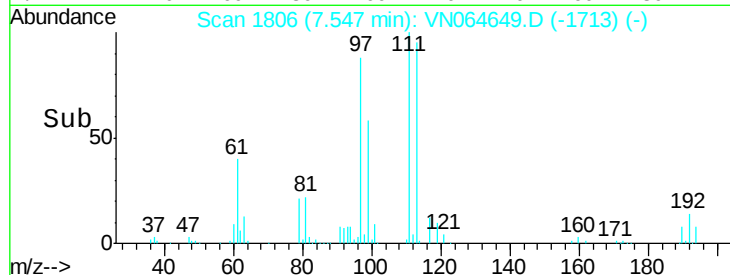
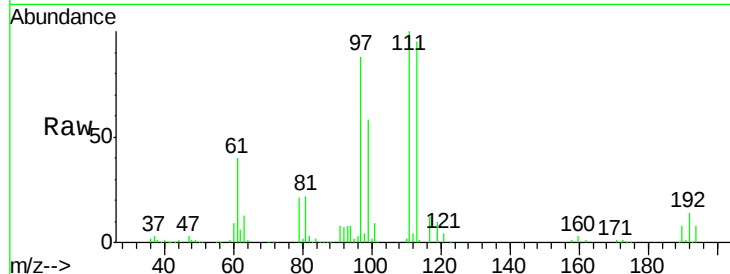
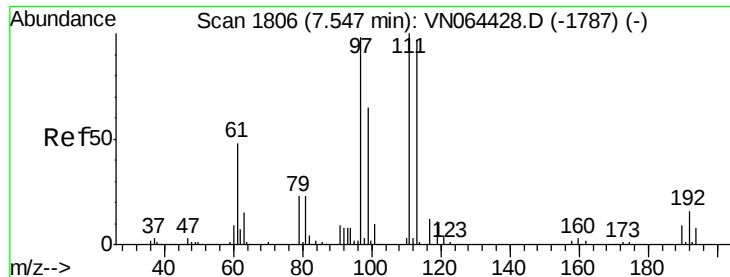
MMDadoda
 11/17/2020 7:01:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	544685		
63	22.0	0.0	45.6	
88	15.7	0.0	32.8	





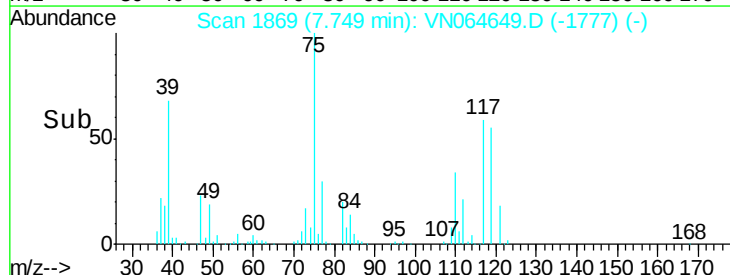
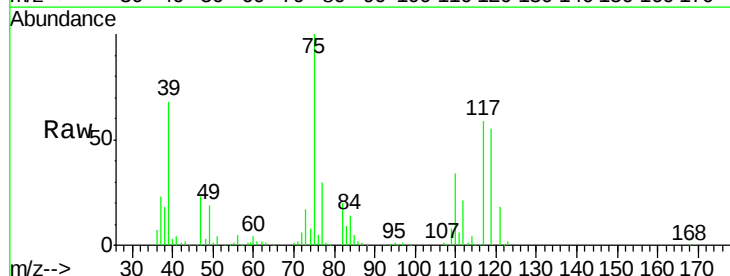
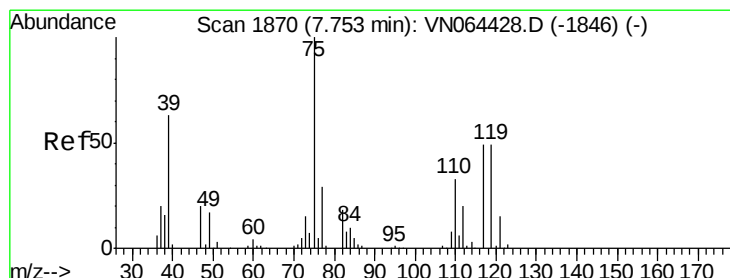
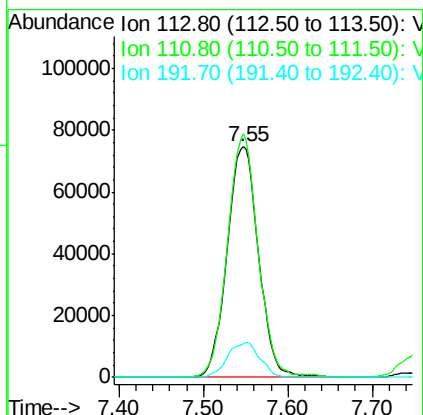
#35
Dibromofluoromethane
Concen: 52.270 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193846		
111	101.9	81.1	121.7	
192	15.7	12.8	19.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

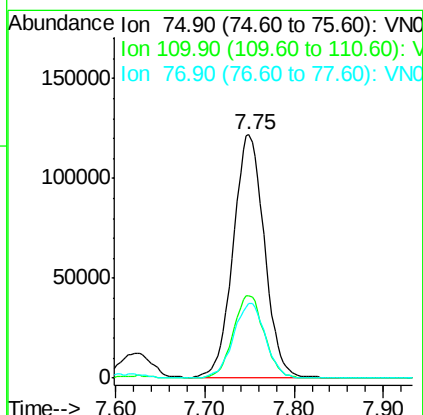
Manual Integrations
APPROVED

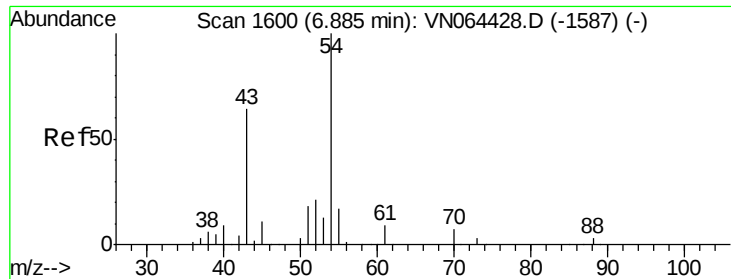
MMDadoda
11/17/2020 7:01:59 PM



#36
1,1-Dichloropropene
Concen: 51.350 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	295477		
110	33.9	16.0	48.0	
77	30.9	24.0	36.0	





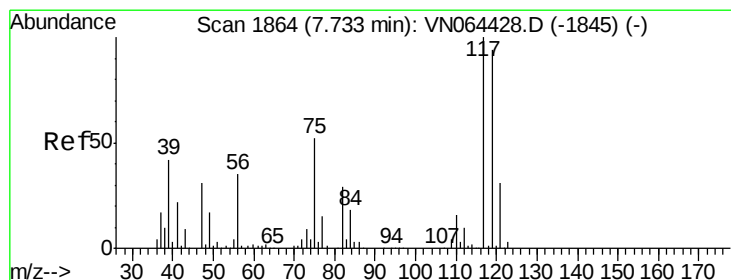
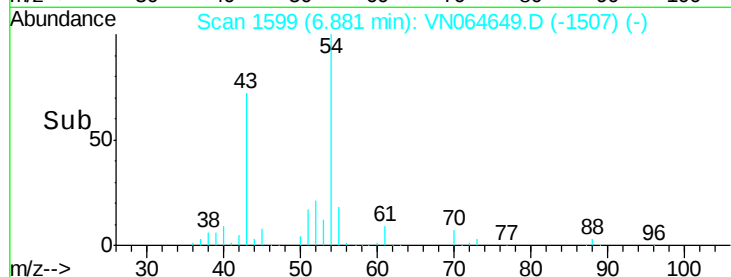
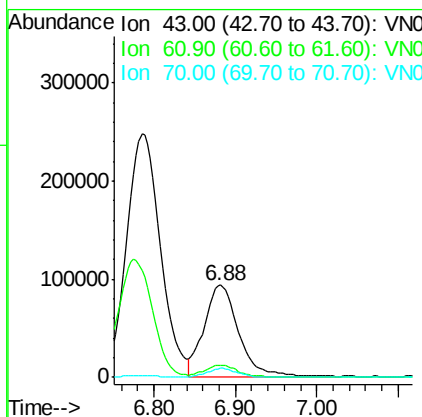
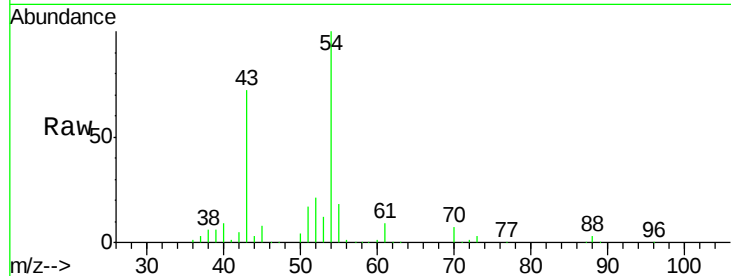
#37
Ethyl Acetate
Concen: 47.129 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	8.4	7.1	10.7

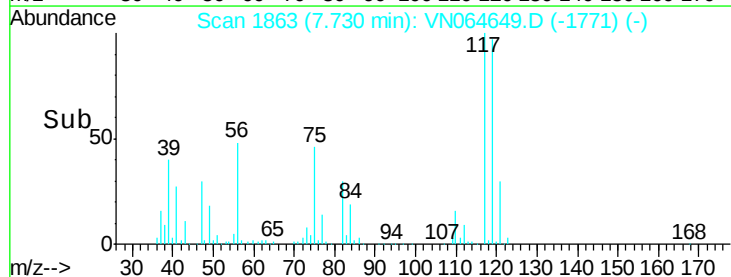
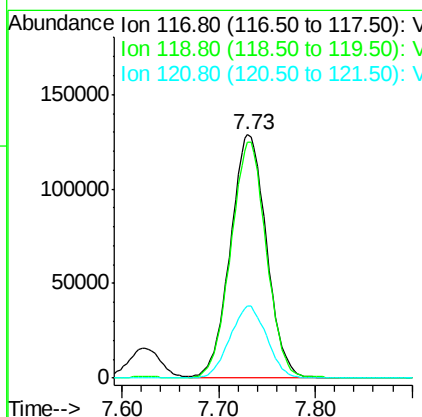
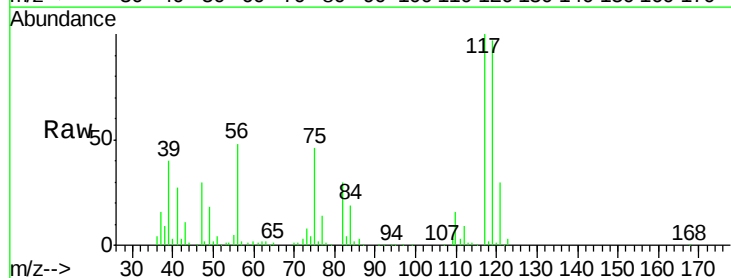
Manual Integrations
APPROVED

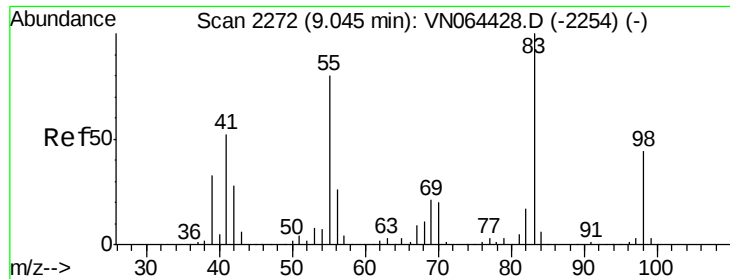
MMDadoda
11/17/2020 7:01:59 PM



#38
Carbon Tetrachloride
Concen: 54.049 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.5	113.3
121	29.8	24.4	36.6





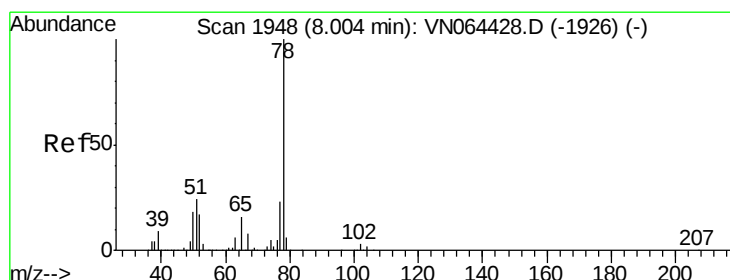
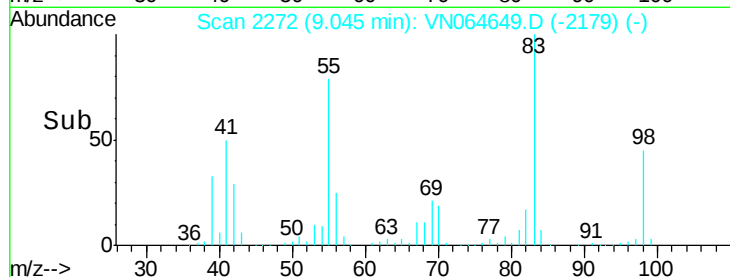
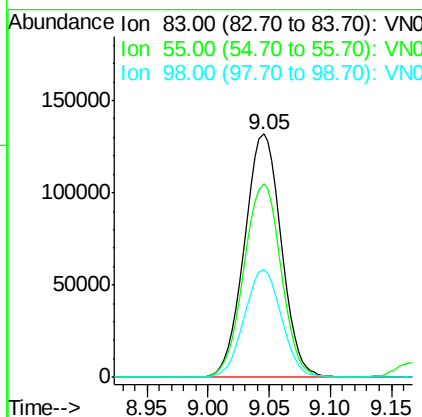
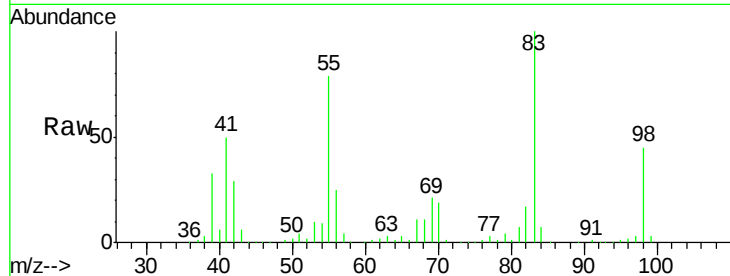
#39
Methvlcvclohexane
Concen: 53.378 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	275339
Ion Ratio	100	Lower	Upper
83	100		
55	79.4	63.8	95.6
98	44.6	35.4	53.2

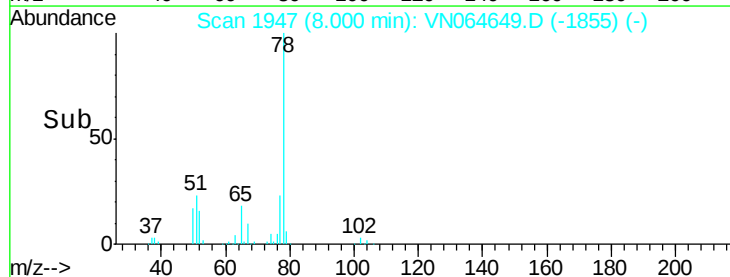
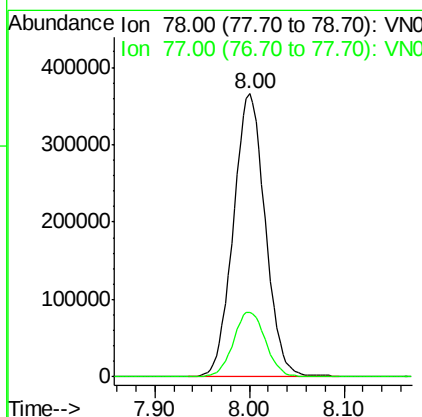
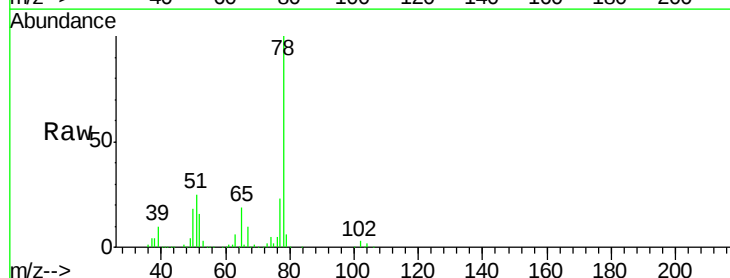
Manual Integrations
APPROVED

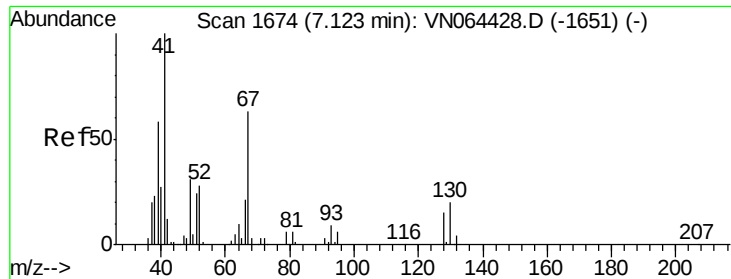
MMDadoda
11/17/2020 7:01:59 PM



#40
Benzene
Concen: 50.696 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	78	Resp	857215
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	18.7	28.1





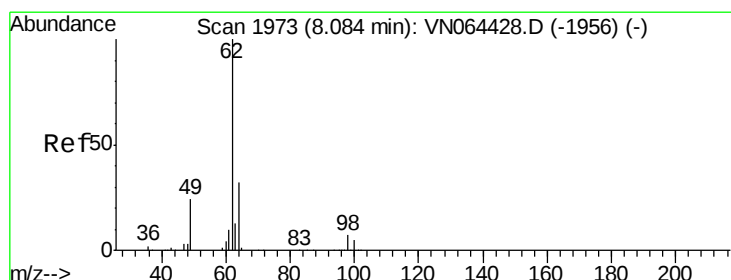
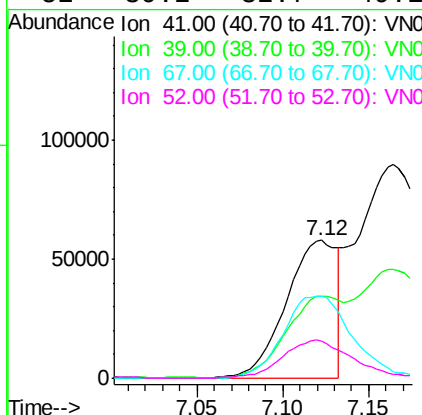
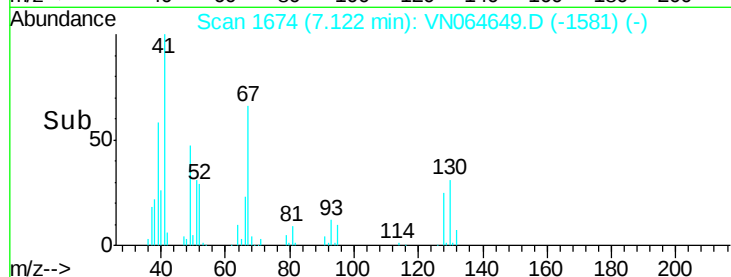
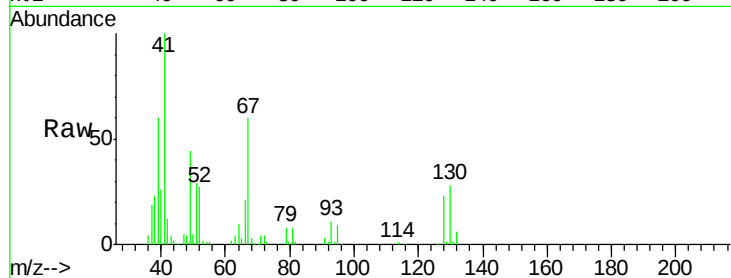
#41
Methacrylonitrile
Concen: 46.497 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	64.9	50.0	75.0		
67	82.7	68.3	102.5		
52	39.2	32.7	49.1		

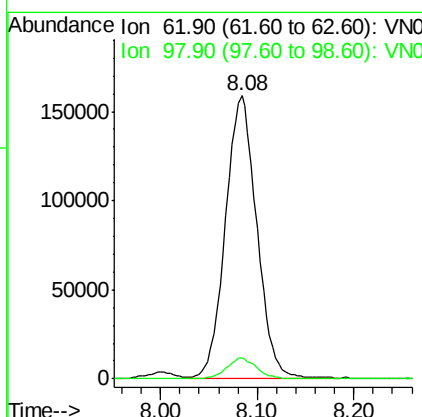
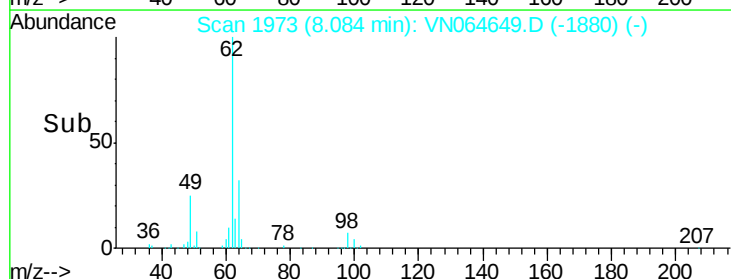
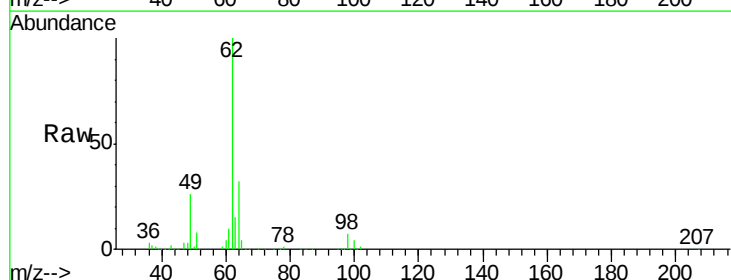
Manual Integrations
APPROVED

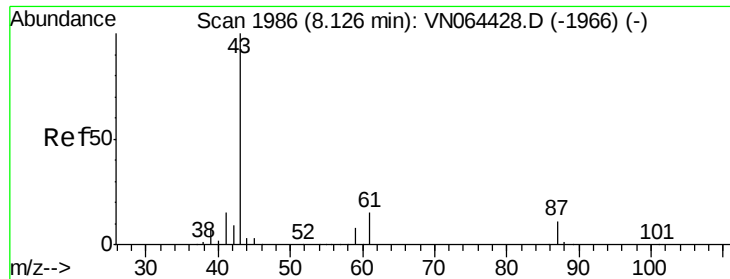
MMDadoda
11/17/2020 7:01:59 PM



#42
1,2-Dichloroethane
Concen: 52.145 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.2	0.0	14.0		





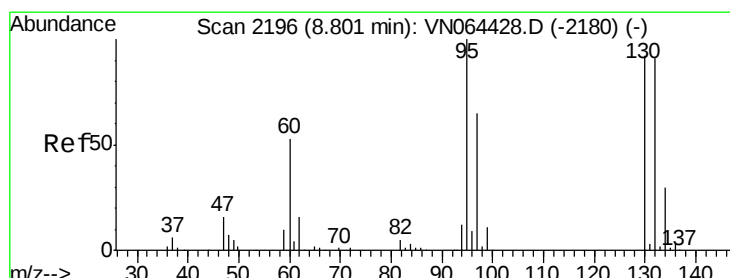
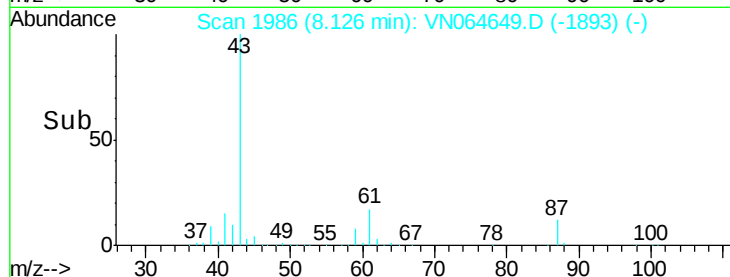
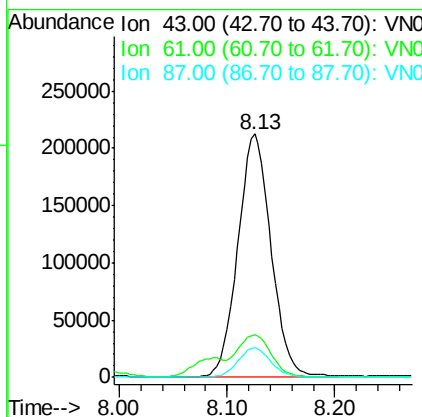
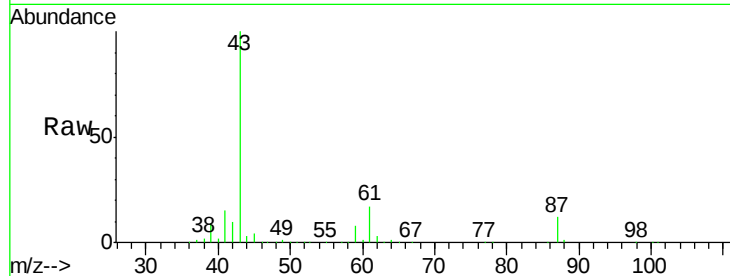
#43
Isopropyl Acetate
Concen: 48.701 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.0	21.0
87	12.0	9.1	13.7

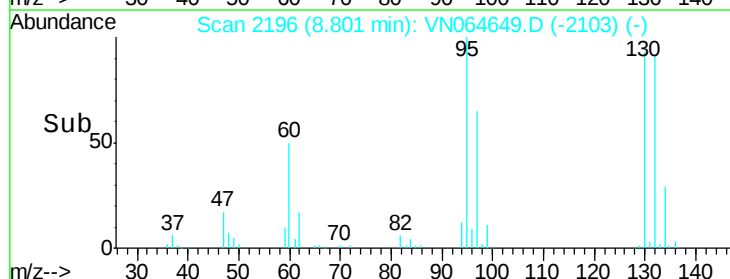
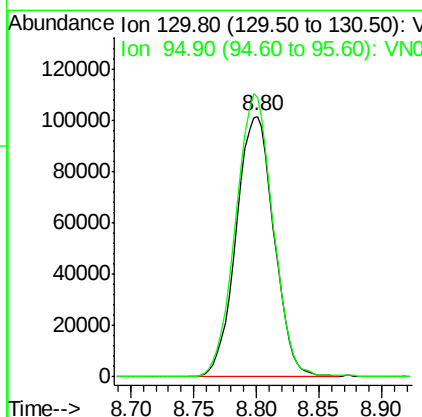
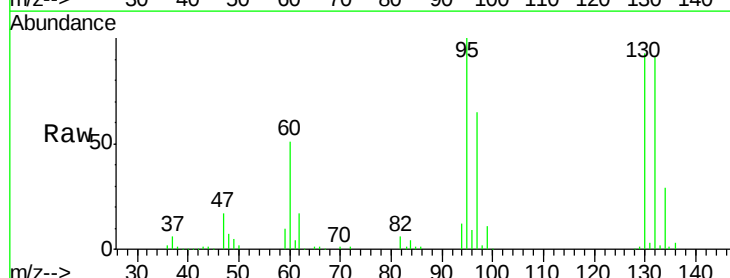
Manual Integrations
APPROVED

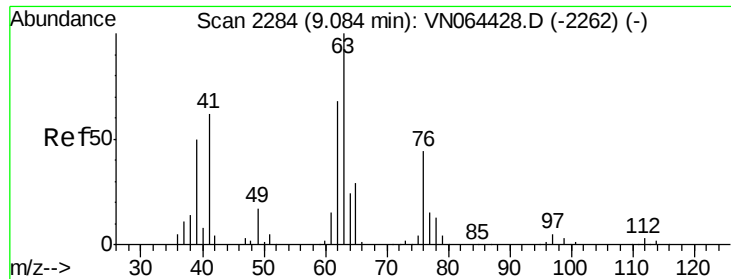
MMDadoda
11/17/2020 7:01:59 PM



#44
Trichloroethene
Concen: 50.092 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	216.8





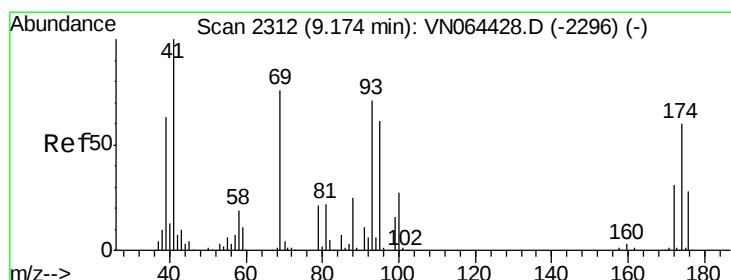
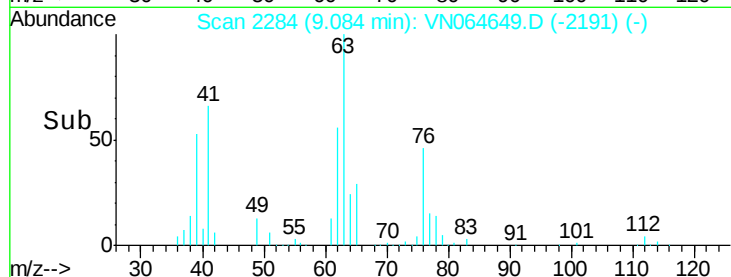
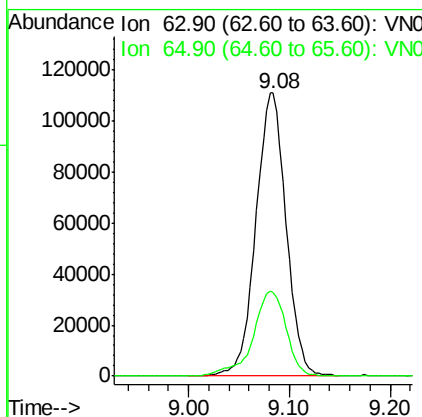
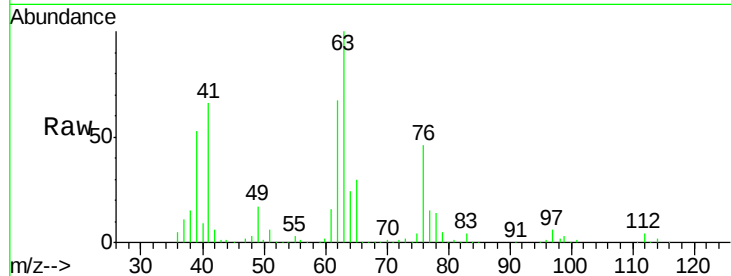
#45
 1,2-Dichloropropane
 Concen: 51.126 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 230664
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.6 35.4

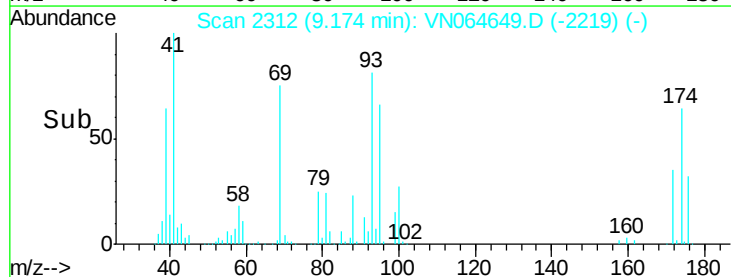
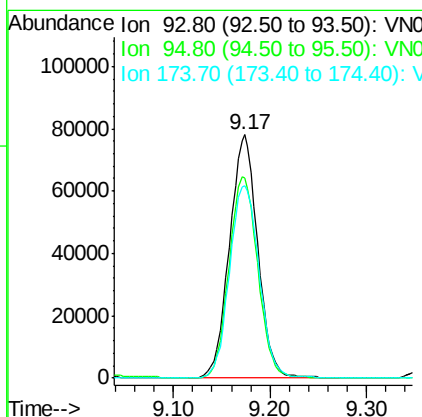
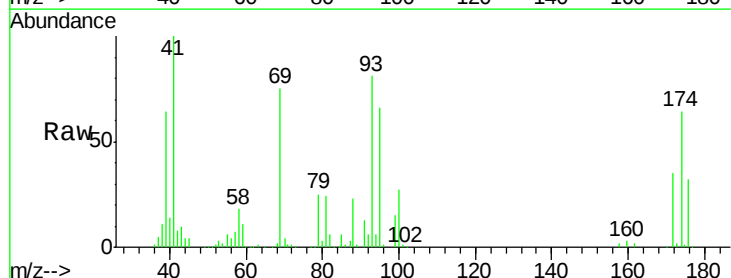
Manual Integrations
 APPROVED

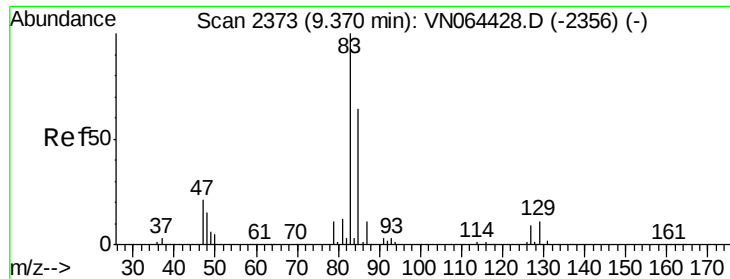
MMDadoda
 11/17/2020 7:01:59 PM



#46
 Dibromomethane
 Concen: 53.362 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 93 Resp: 158484
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.4 99.6
 174 82.7 67.2 100.8





#47

Bromodichloromethane

Concen: 53.403 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

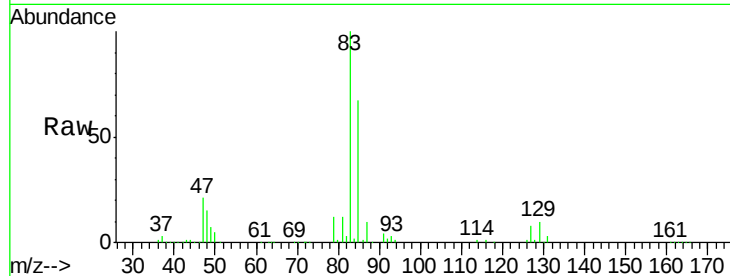
ClientSampleId :

VSTDCCC050

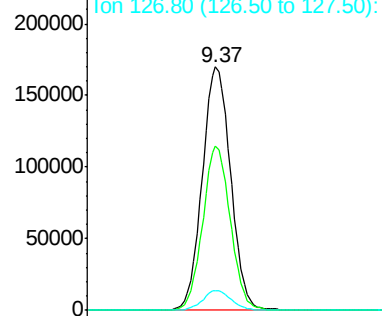
Tot Ion:	83	Resp:	341034
Ion Ratio	Lower	Upper	
83	100		
85	67.3	51.2	76.8
127	8.3	6.9	10.3

Manual Integrations
APPROVED

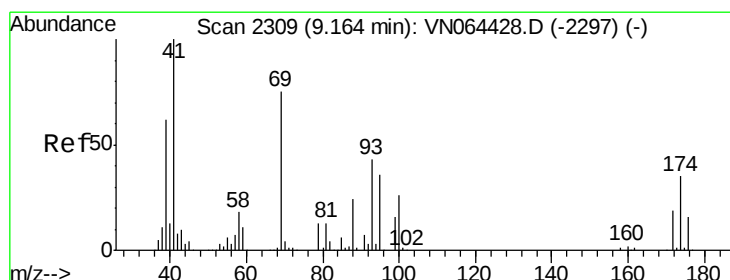
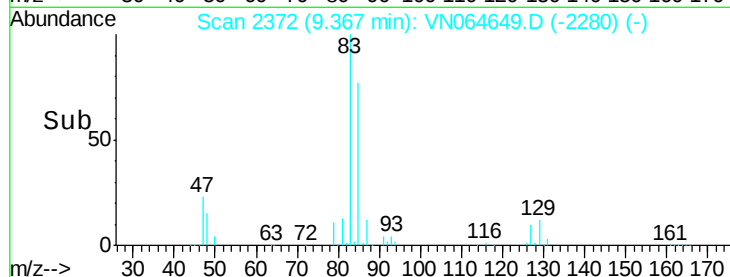
MMDadoda
11/17/2020 7:01:59 PM



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



Time-->



#48

Methyl methacrylate

Concen: 49.465 ug/l

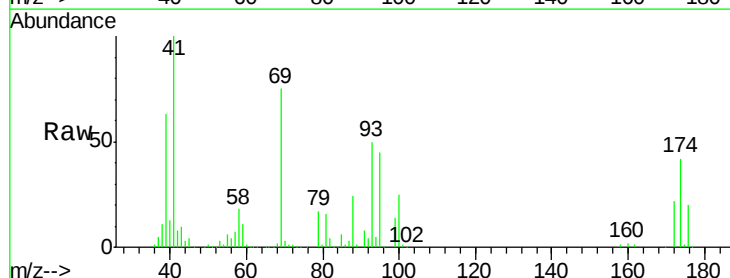
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

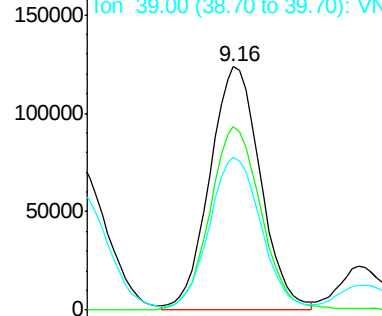
Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

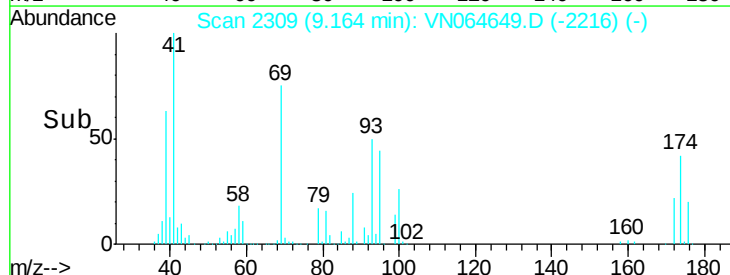
Tgt Ion:	41	Resp:	232757
Ion Ratio	Lower	Upper	
41	100		
69	76.7	60.4	90.6
39	64.1	51.2	76.8

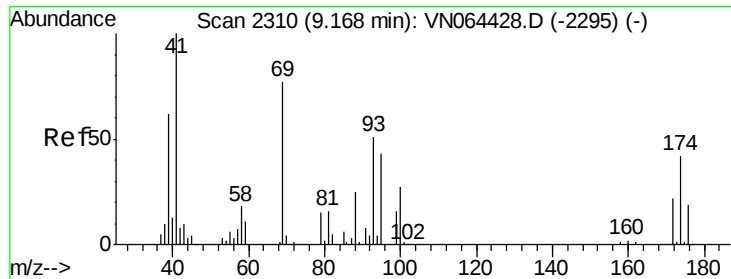


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



Time-->





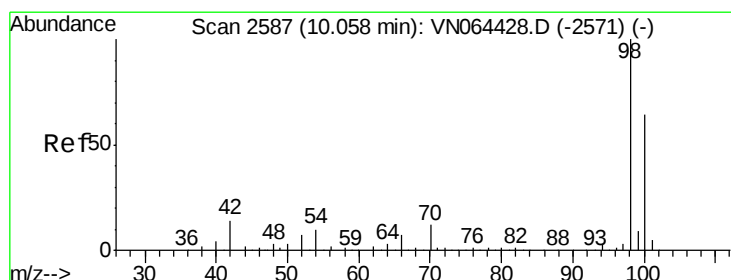
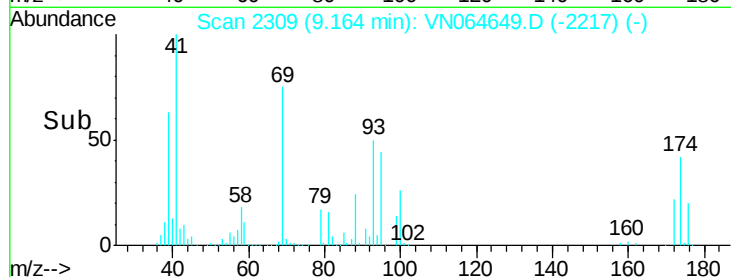
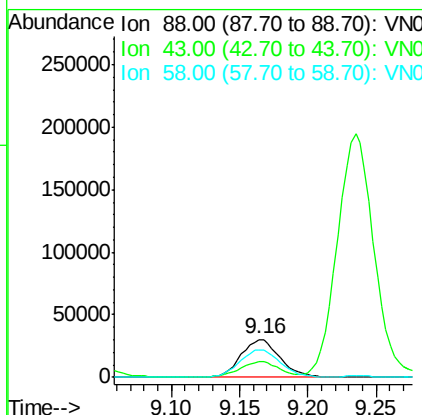
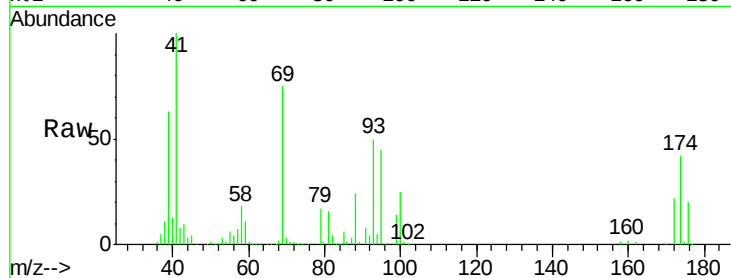
#49
1,4-Dioxane
Concen: 968.290 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 60013
Ion Ratio Lower Upper
88 100
43 40.8 31.0 46.6
58 76.4 58.4 87.6

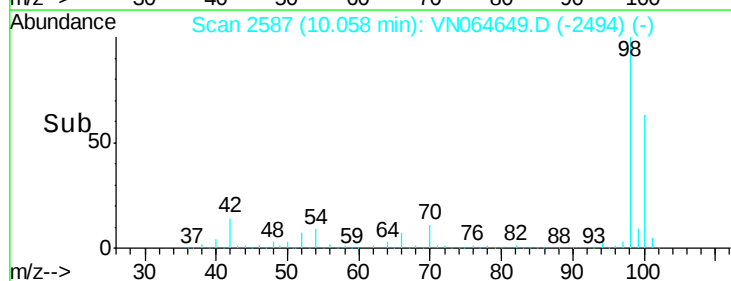
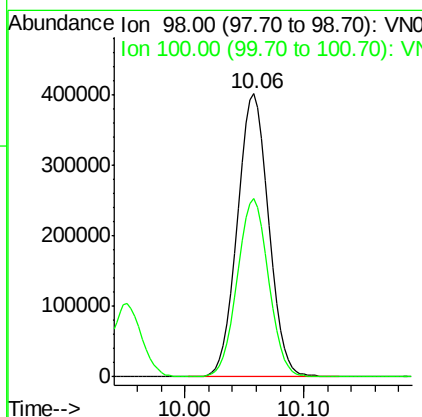
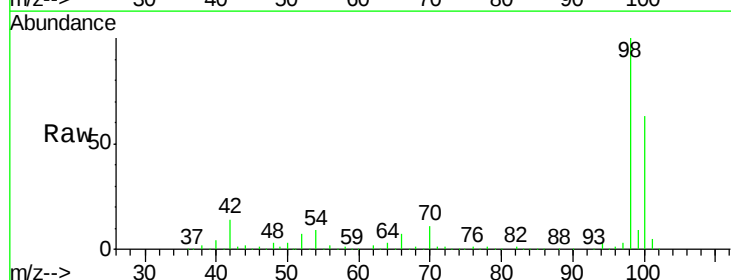
Manual Integrations
APPROVED

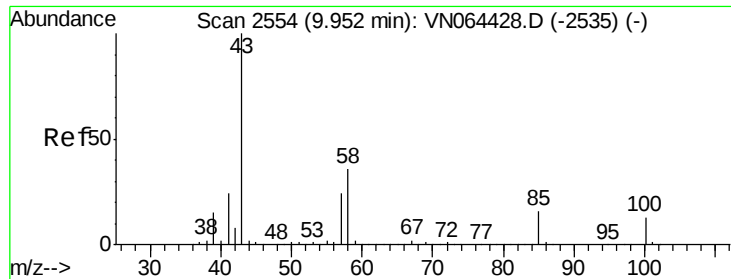
MMDadoda
11/17/2020 7:01:59 PM



#50
Toluene-d8
Concen: 51.191 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 98 Resp: 733749
Ion Ratio Lower Upper
98 100
100 62.7 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 258.213 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1404211

Ion Ratio Lower Upper

43 100

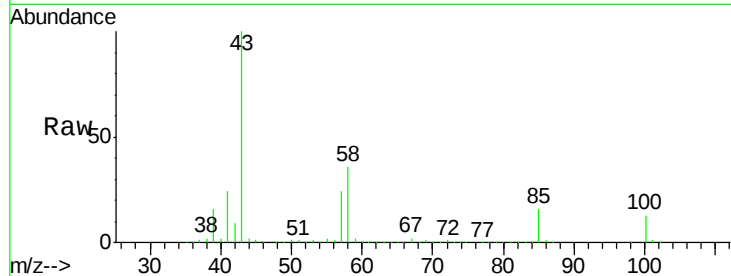
58 36.4 28.4 42.6

Manual Integrations

APPROVED

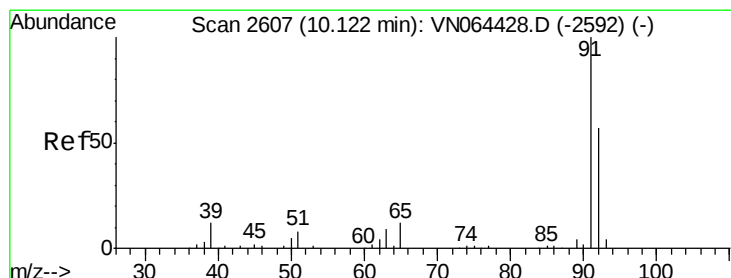
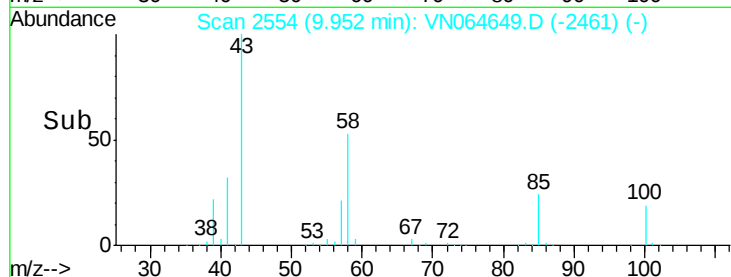
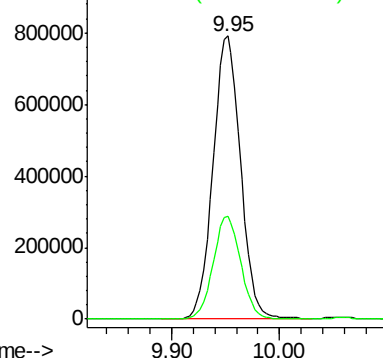
MMDadoda

11/17/2020 7:01:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.711 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064649.D

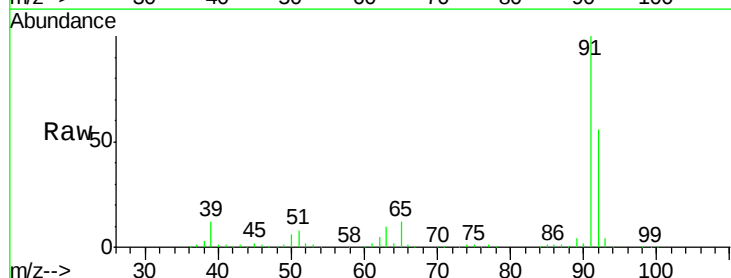
Acq: 16 Nov 2020 9:21

Tgt Ion: 92 Resp: 543607

Ion Ratio Lower Upper

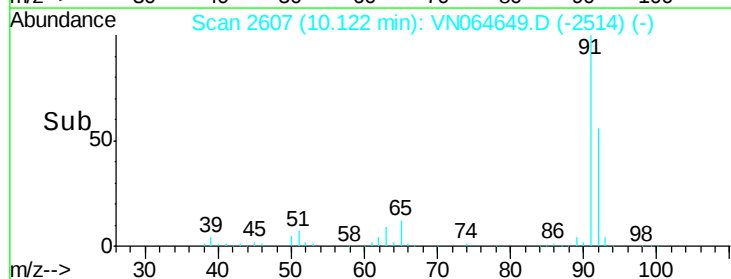
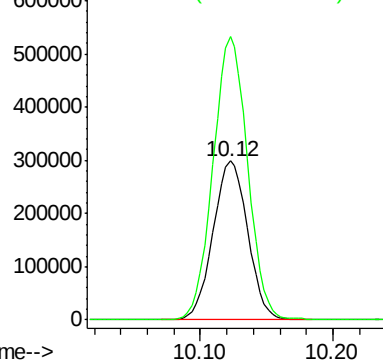
92 100

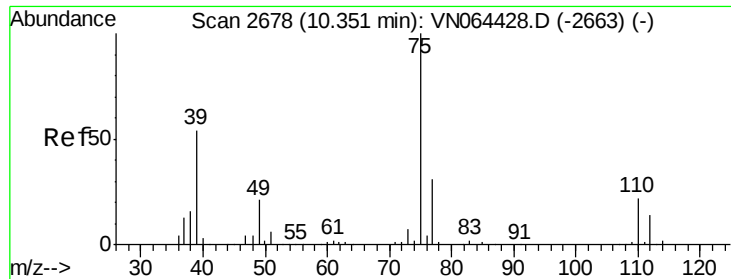
91 177.2 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





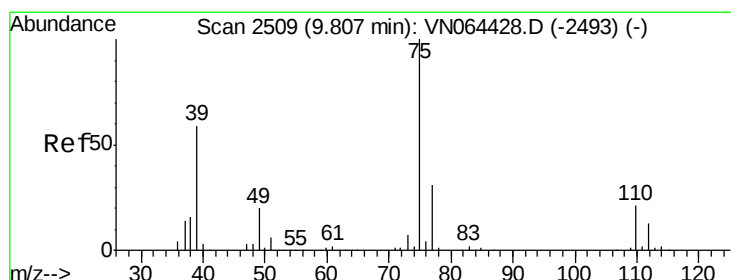
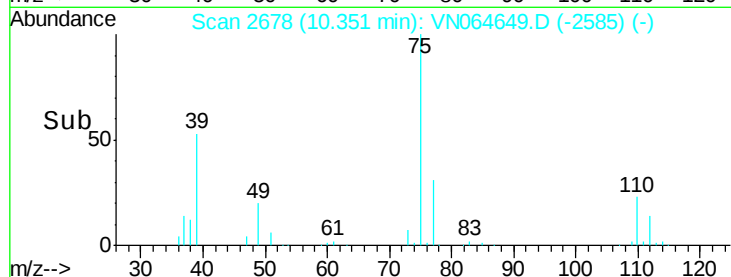
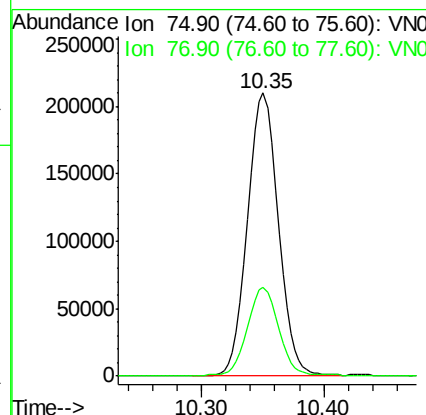
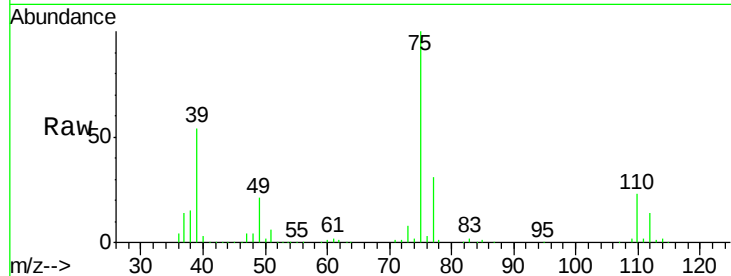
#53
 t-1,3-Dichloropropene
 Concen: 54.133 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 366498
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2

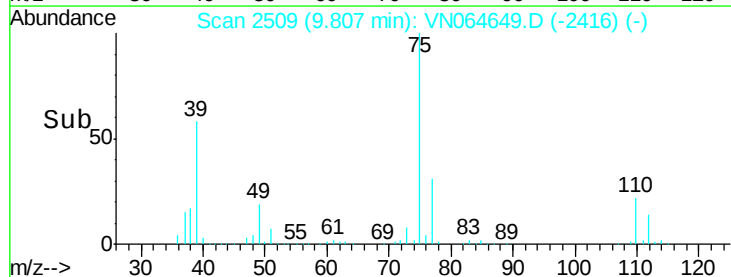
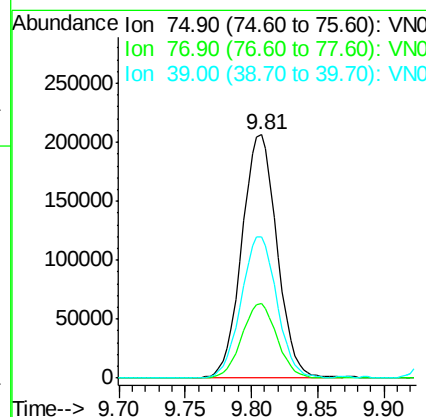
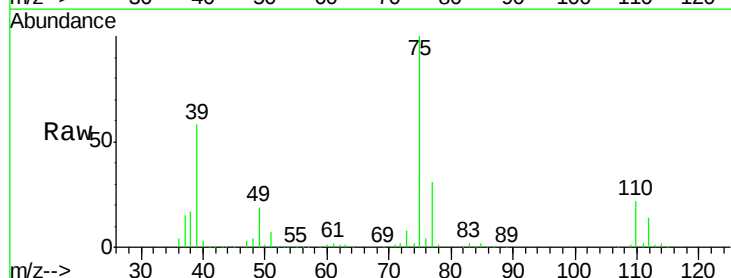
Manual Integrations
 APPROVED

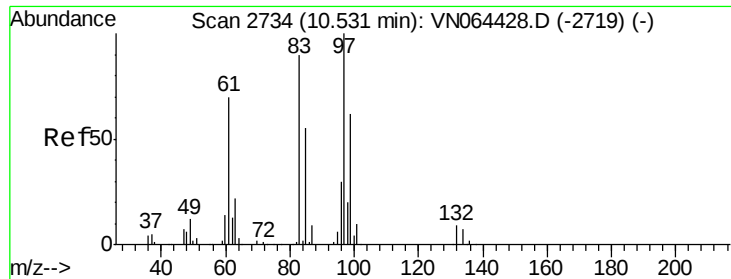
MMDadoda
 11/17/2020 7:01:59 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.610 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 75 Resp: 380826
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.9 37.3
 39 57.7 47.1 70.7





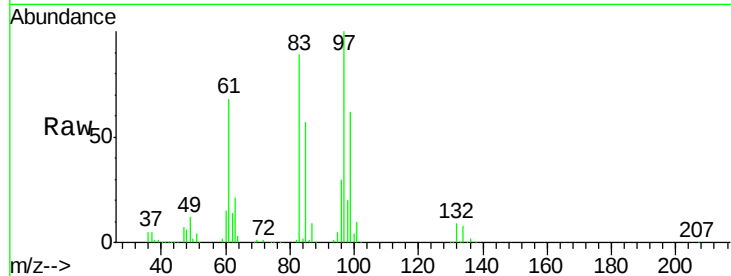
#55
 1,1,2-Trichloroethane
 Concen: 53.734 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

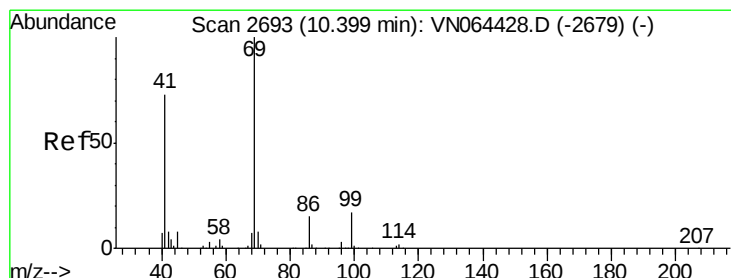
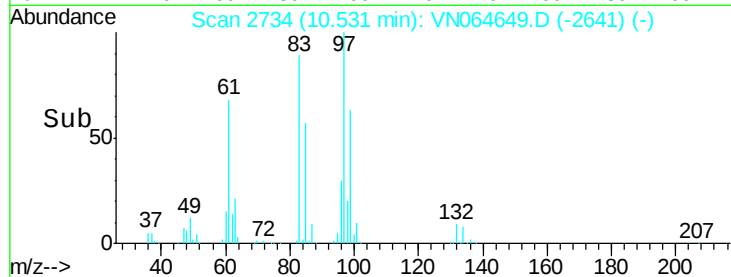
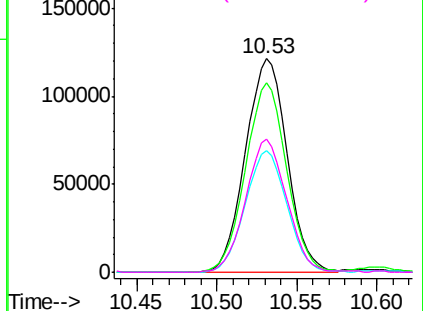
Tot Ion:	97	Resp:	216117
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.7	107.5
85	57.2	44.3	66.5
99	62.3	49.4	74.2

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 7:01:59 PM

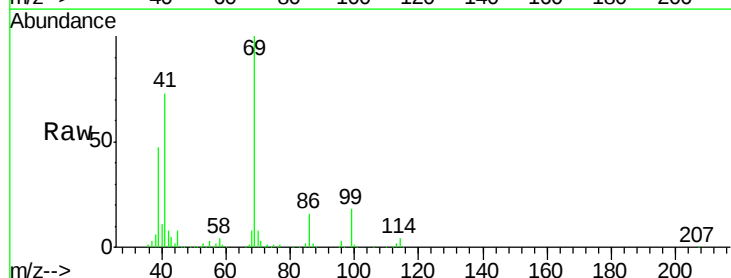


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

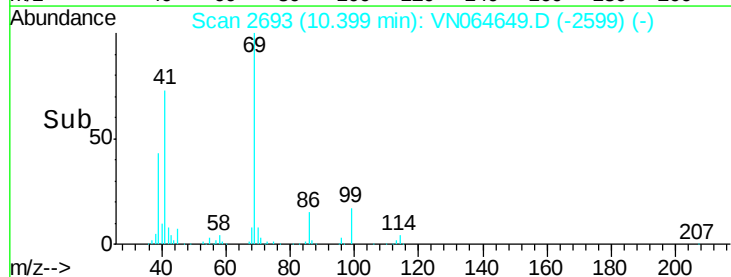
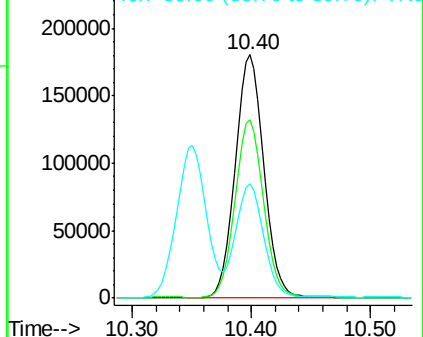


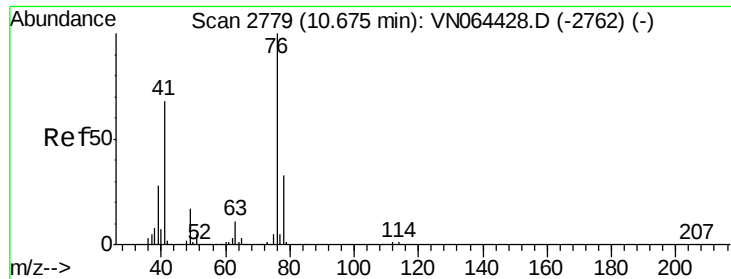
#56
 Ethyl methacrylate
 Concen: 45.755 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion:	69	Resp:	301706
Ion	Ratio	Lower	Upper
69	100		
41	72.3	59.3	88.9
39	45.3	35.4	53.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





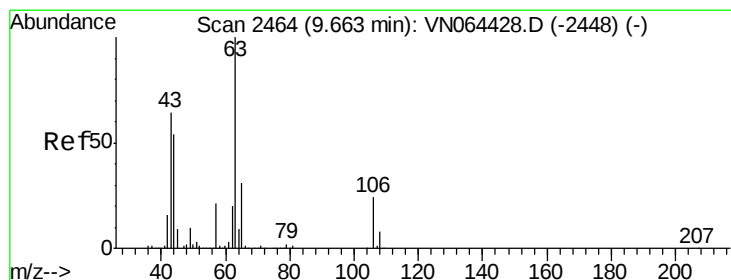
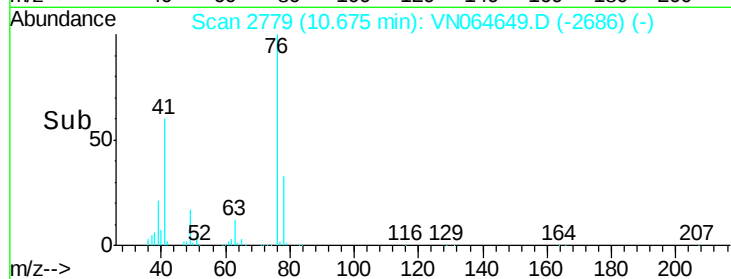
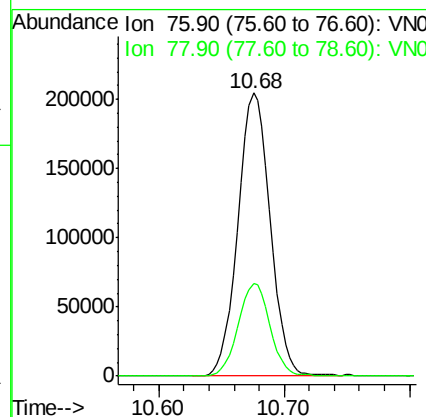
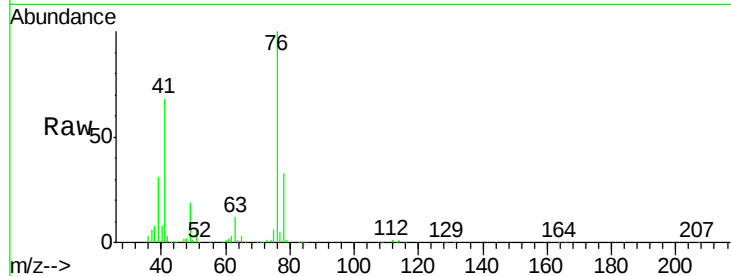
#57
 1,3-Dichloropropane
 Concen: 52.163 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 366195
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

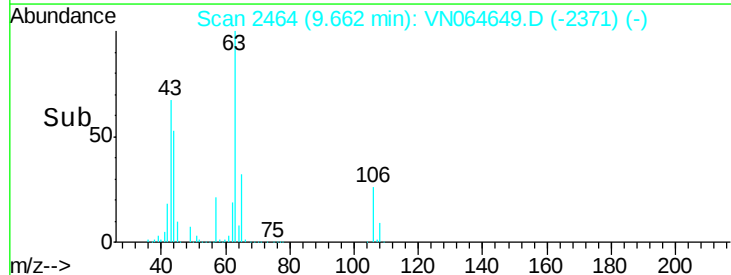
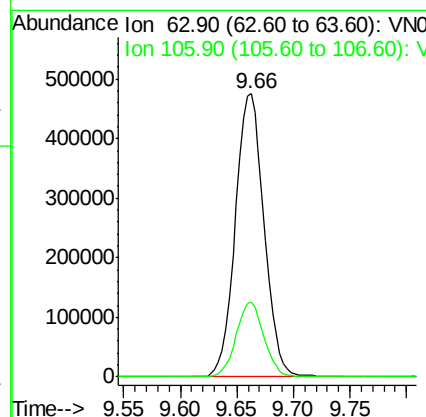
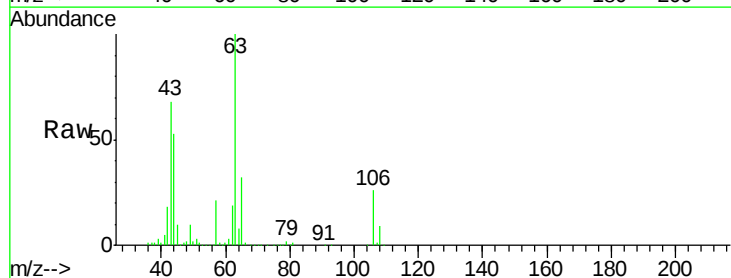
Manual Integrations
 APPROVED

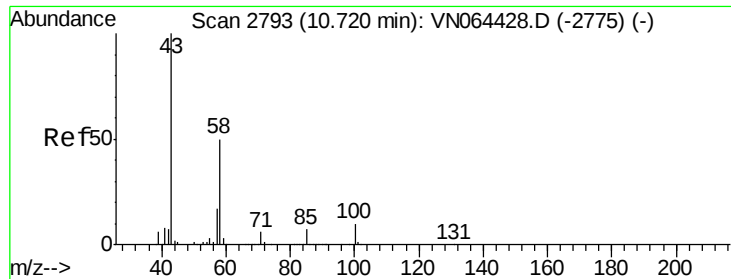
MMDadoda
 11/17/2020 7:01:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.924 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion: 63 Resp: 839614
 Ion Ratio Lower Upper
 63 100
 106 25.7 19.5 29.3





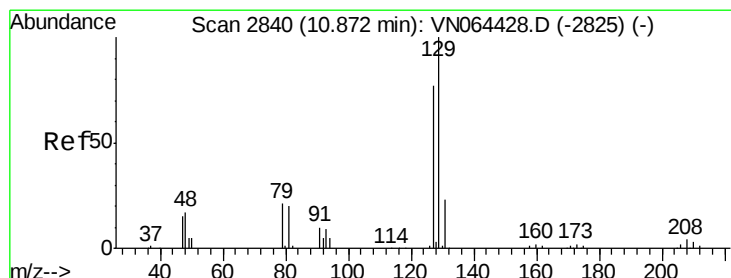
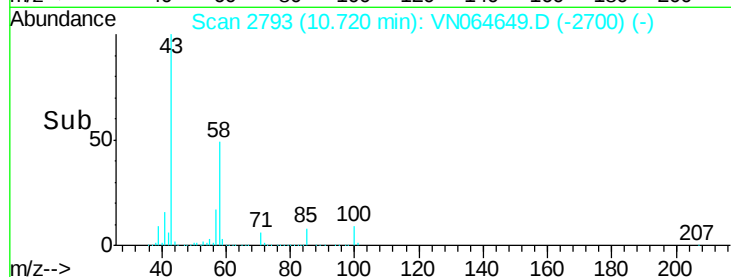
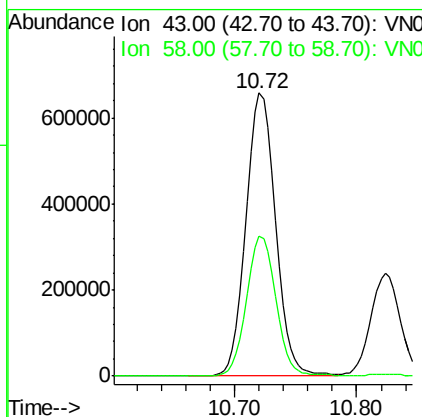
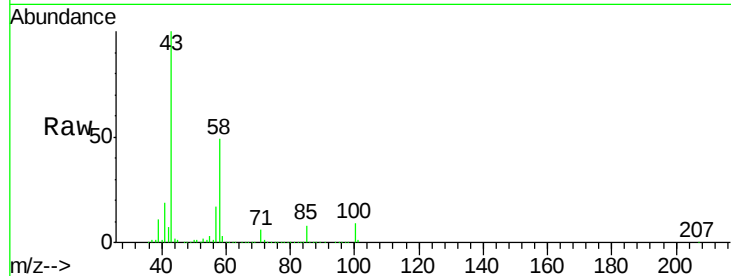
#59
2-Hexanone
Concen: 247.271 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1096330
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1

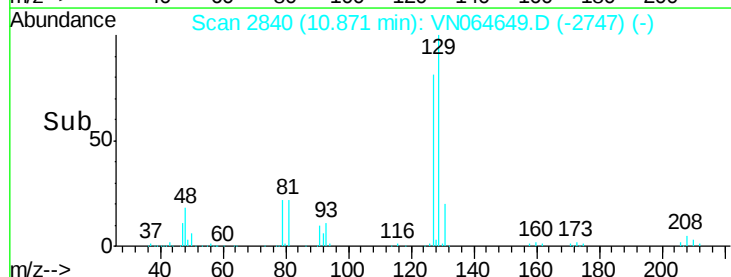
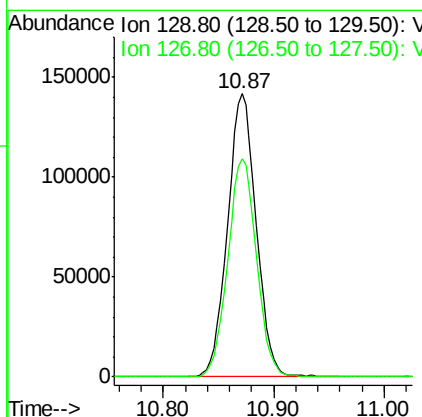
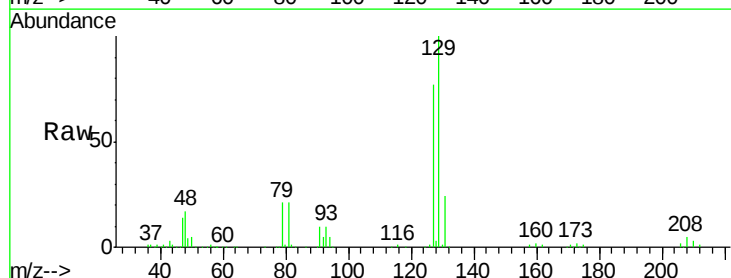
Manual Integrations
APPROVED

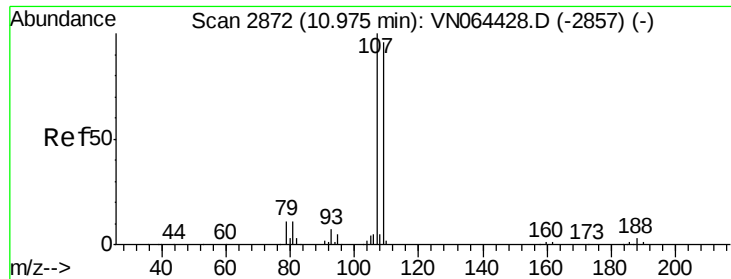
MMDadoda
11/17/2020 7:01:59 PM



#60
Dibromochloromethane
Concen: 56.609 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 129 Resp: 254912
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





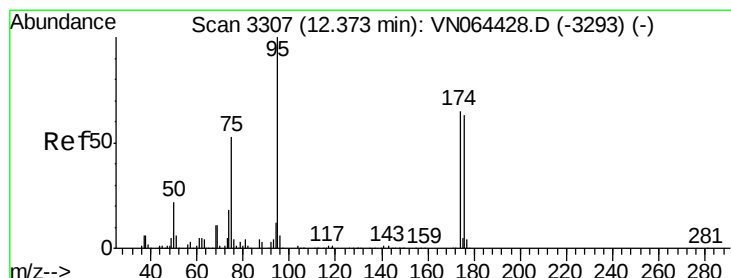
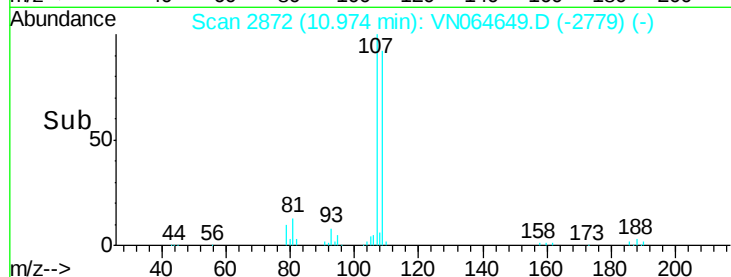
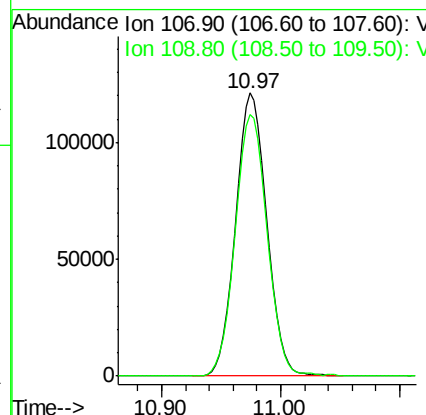
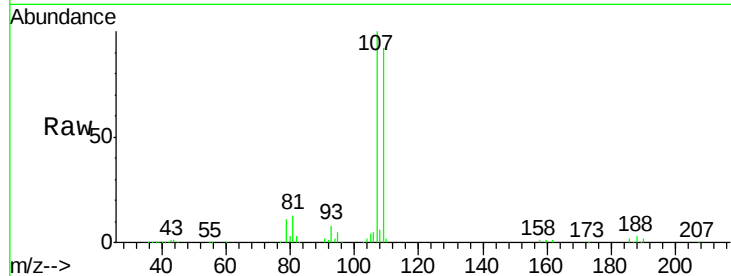
#61
 1,2-Dibromoethane
 Concen: 53.993 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.9	113.9

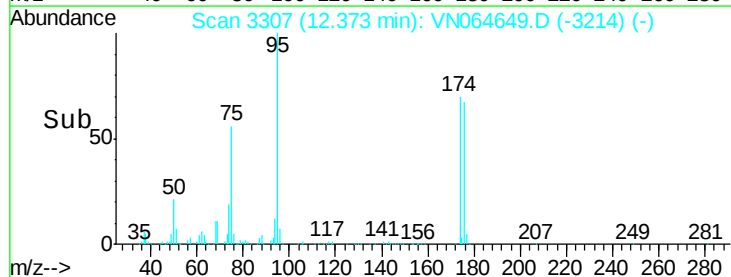
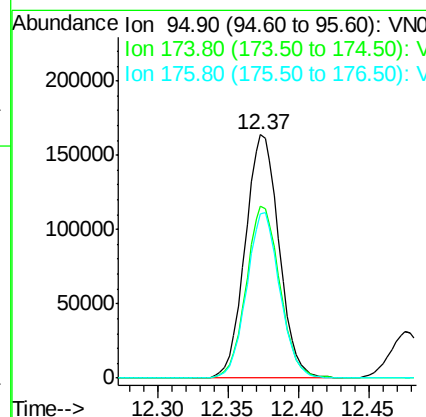
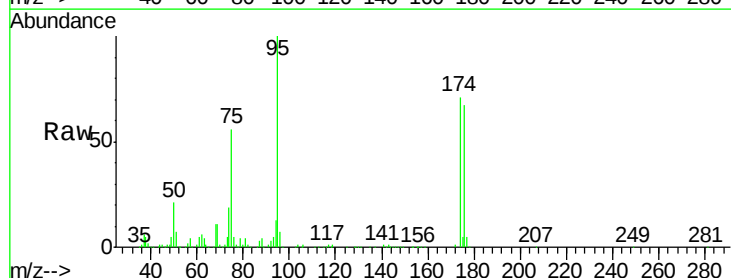
Manual Integrations
 APPROVED

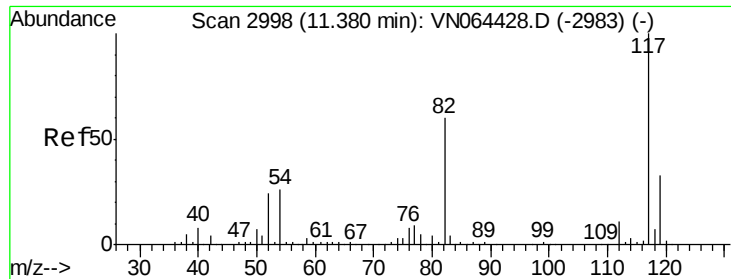
MMDadoda
 11/17/2020 7:01:59 PM



#62
 4-Bromofluorobenzene
 Concen: 50.967 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	132.6
176	66.4	0.0	129.2





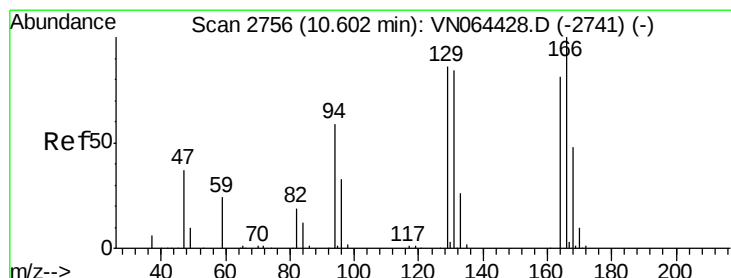
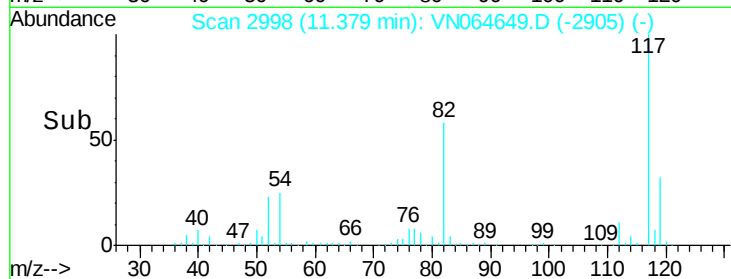
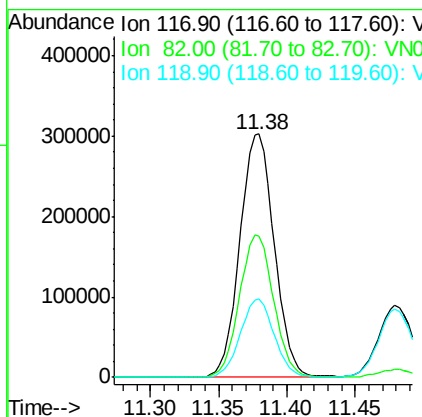
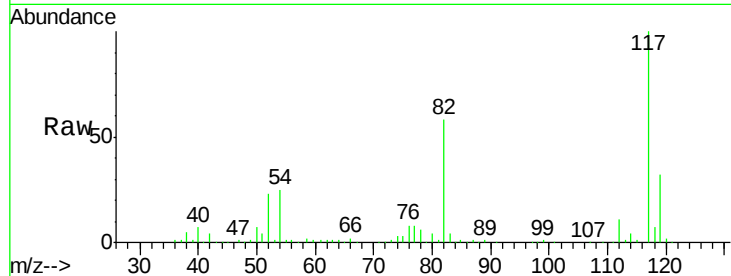
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.1	72.1
119	32.0	26.2	39.4

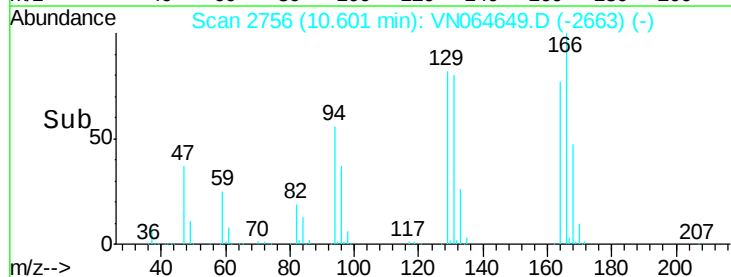
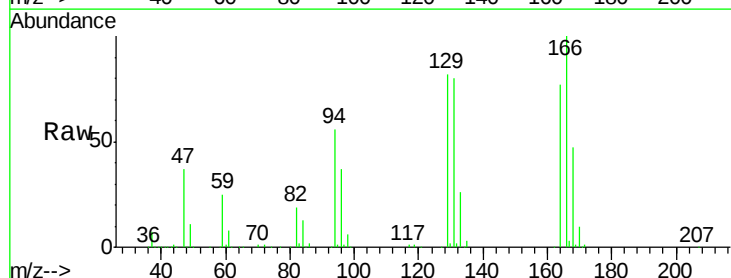
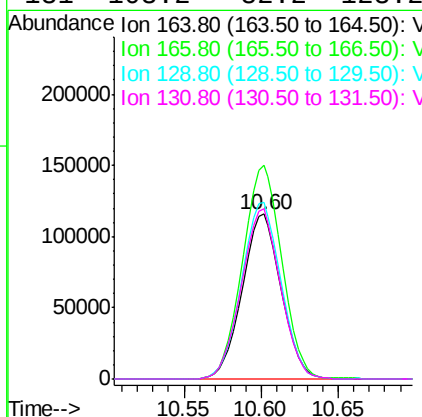
Manual Integrations
APPROVED

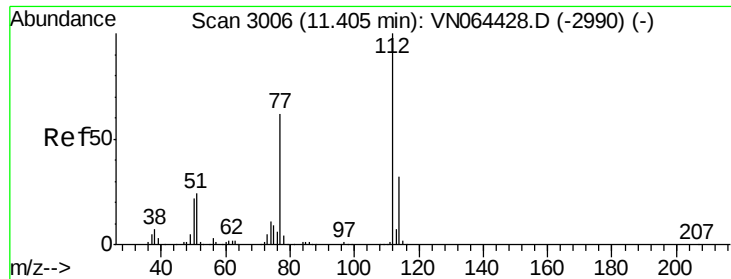
MMDadoda
11/17/2020 7:01:59 PM



#64
Tetrachloroethene
Concen: 49.582 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	98.2	147.2
129	107.0	84.6	127.0
131	103.2	82.2	123.2





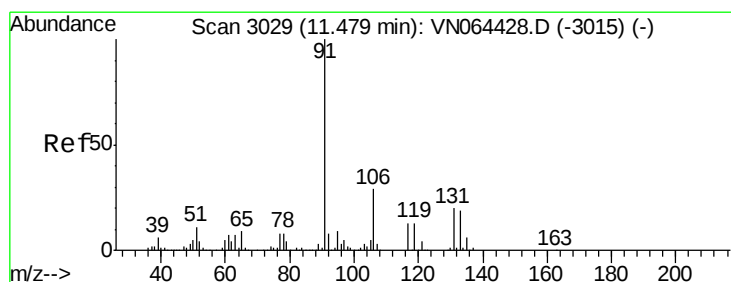
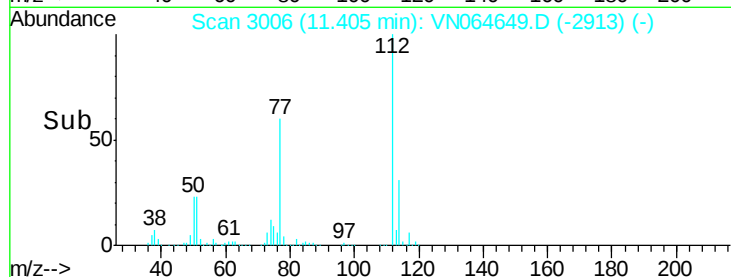
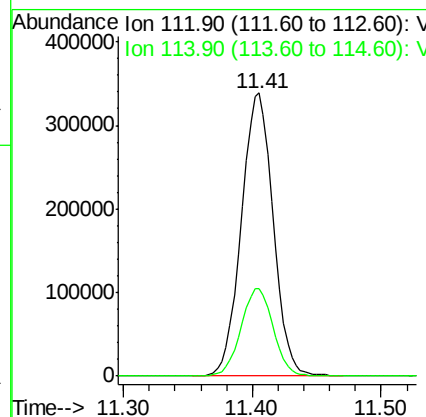
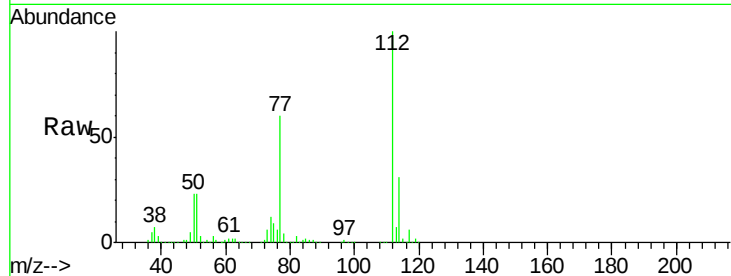
#65
Chlorobenzene
Concen: 50.015 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	581717		
114	31.1	25.6	38.4	

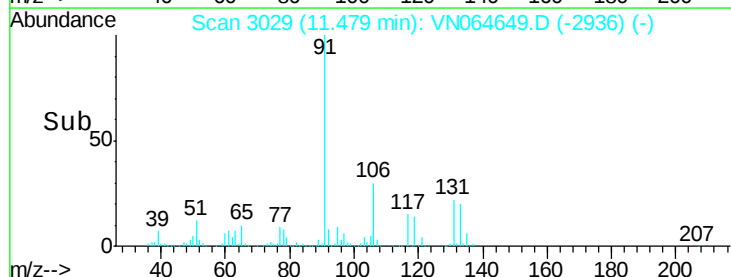
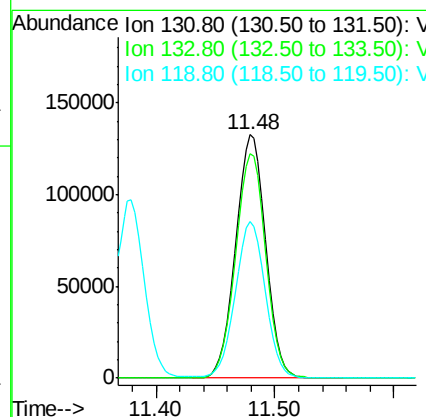
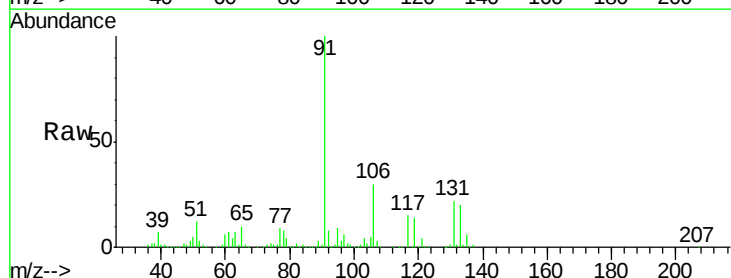
Manual Integrations
APPROVED

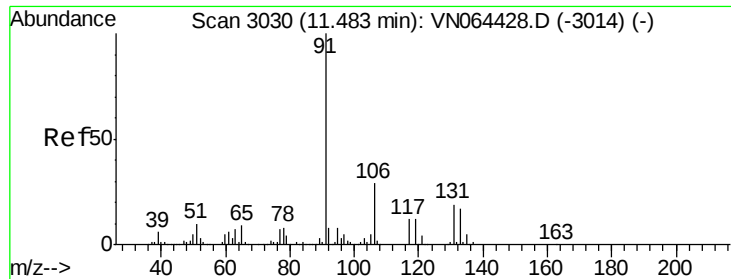
MMDadoda
11/17/2020 7:01:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.444 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	231896		
133	92.8	46.9	140.7	
119	64.5	32.1	96.5	





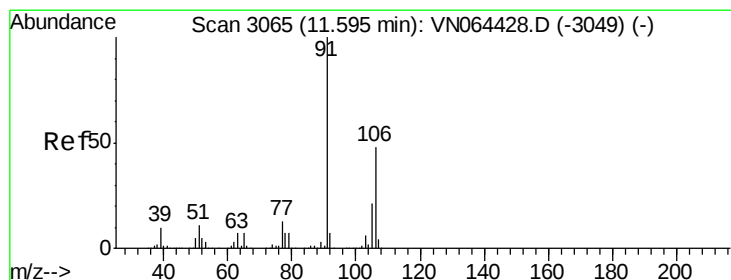
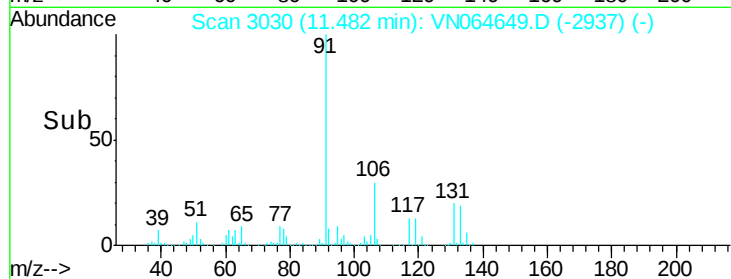
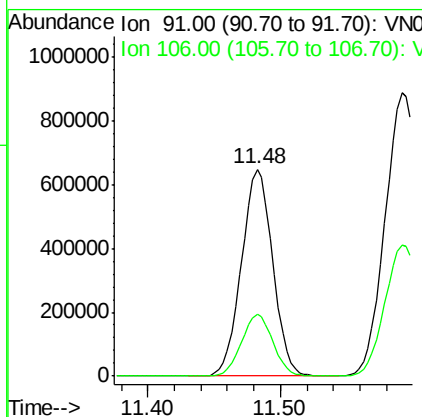
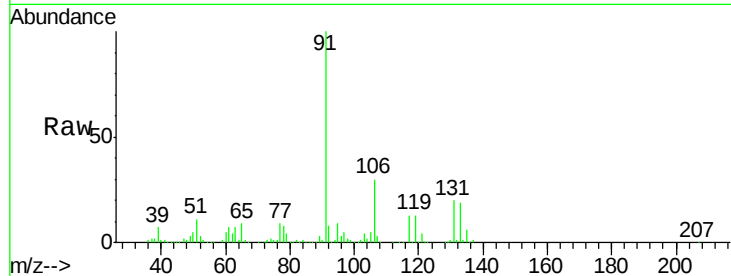
#67
Ethyl Benzene
Concen: 51.238 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1060013
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4

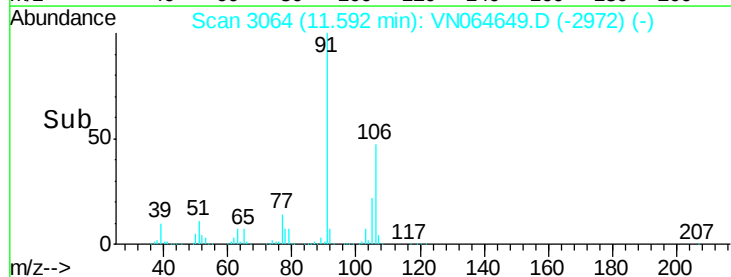
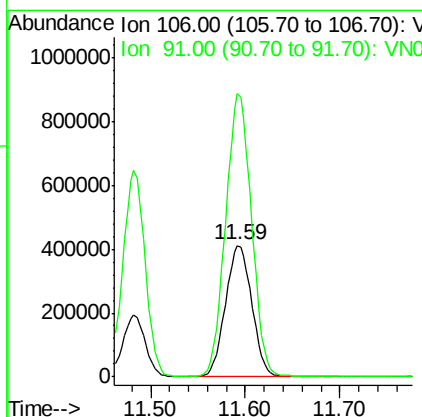
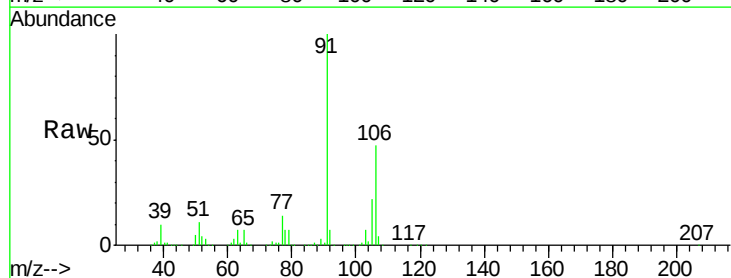
Manual Integrations
APPROVED

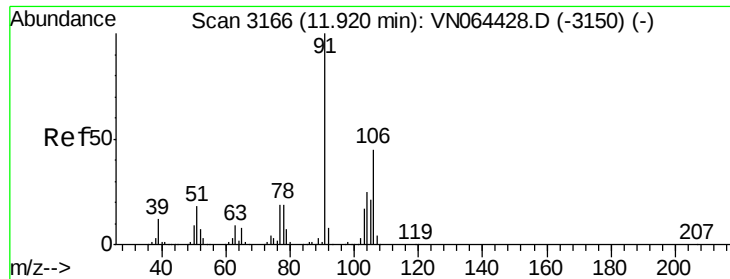
MMDadoda
11/17/2020 7:01:59 PM



#68
m/p-Xylenes
Concen: 106.058 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion: 106 Resp: 795727
Ion Ratio Lower Upper
106 100
91 212.0 169.4 254.2





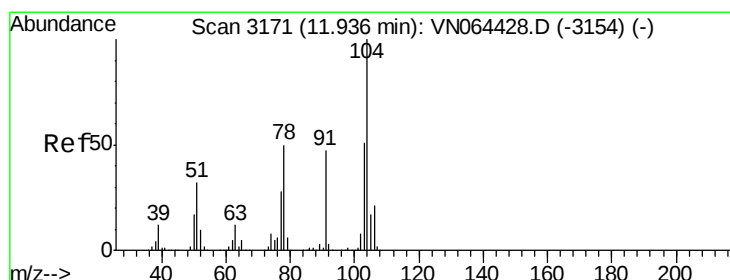
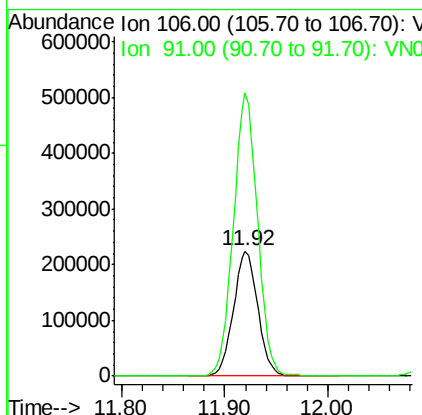
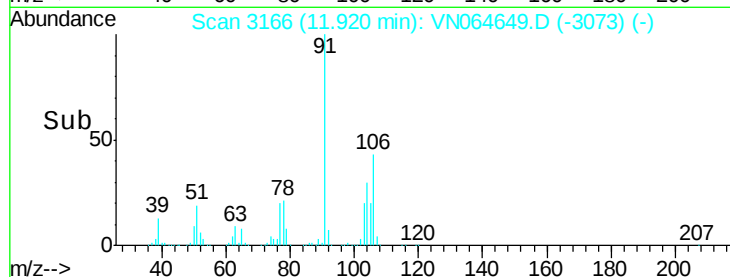
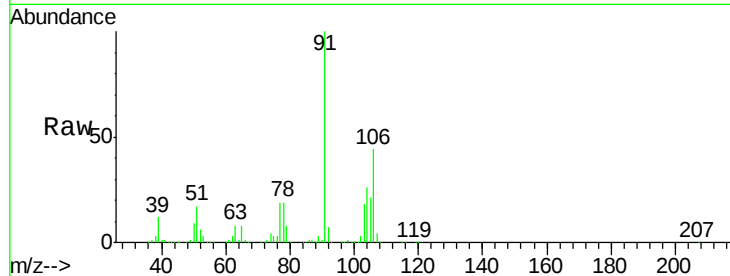
#69
o-Xylene
Concen: 51.035 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 370006
Ion Ratio Lower Upper
106 100
91 224.0 111.7 334.9

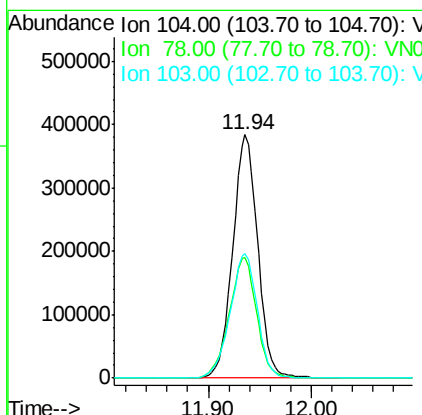
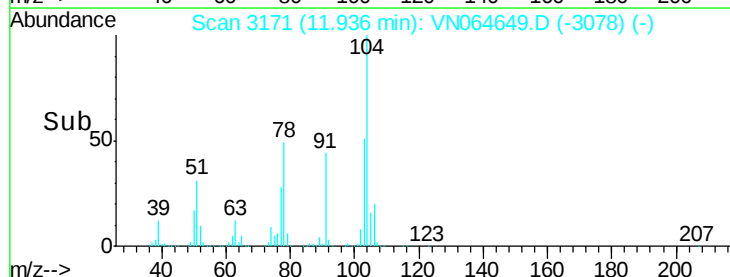
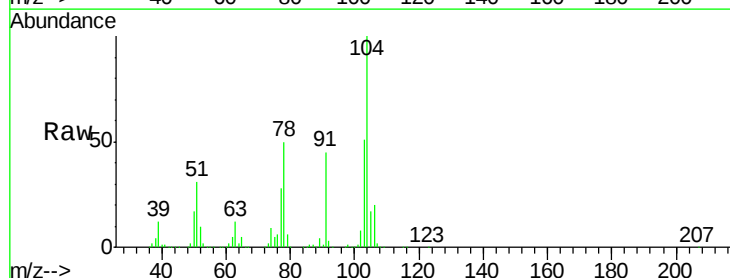
Manual Integrations
APPROVED

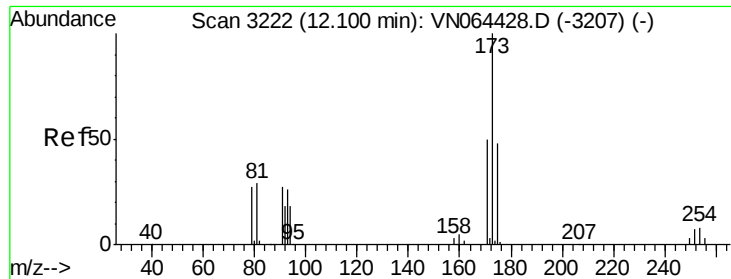
MMDadoda
11/17/2020 7:01:59 PM



#70
Styrene
Concen: 53.401 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion:104 Resp: 651487
Ion Ratio Lower Upper
104 100
78 54.0 44.0 66.0
103 55.5 43.8 65.6





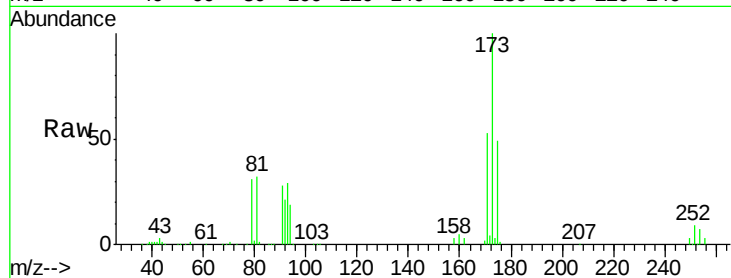
#71
Bromoform
Concen: 49.800 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.7	71.1
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM

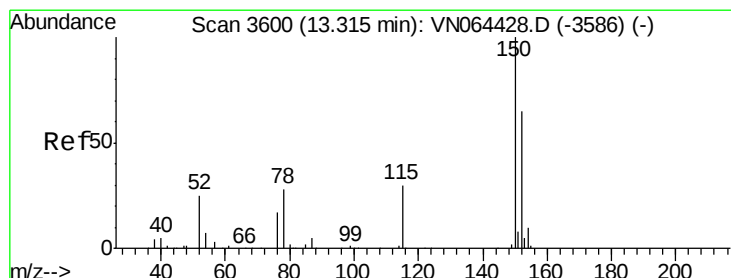
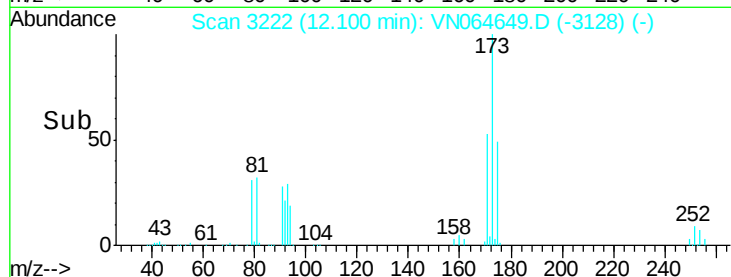
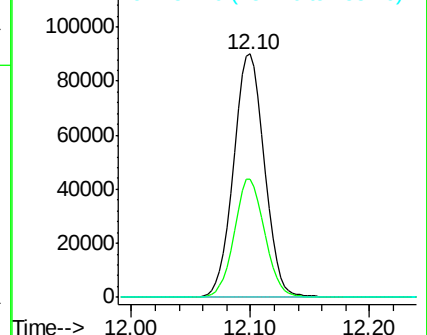


Abundance

Ion 172.70 (172.40 to 173.40): V

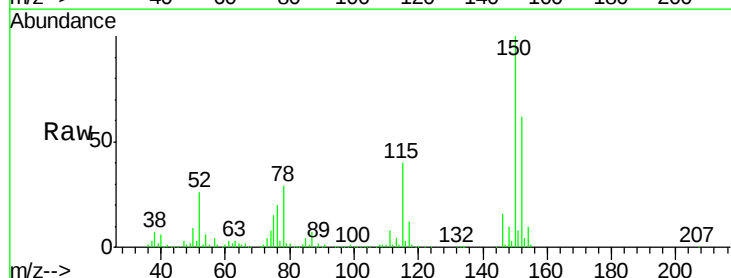
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.0	96.0
150	180.1	0.0	353.8

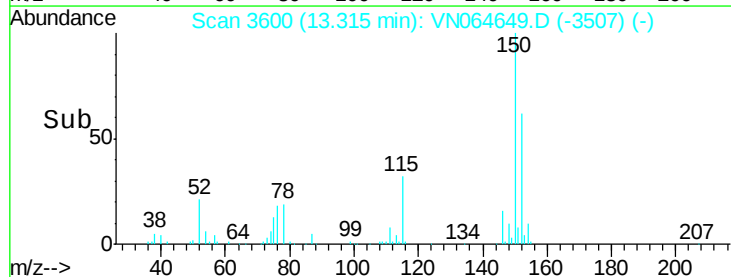
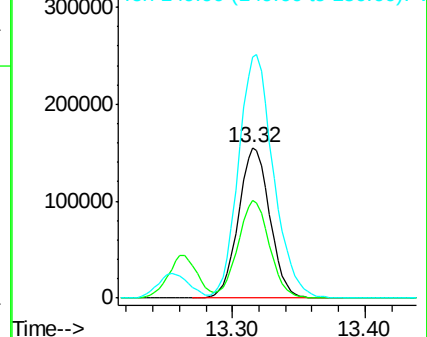


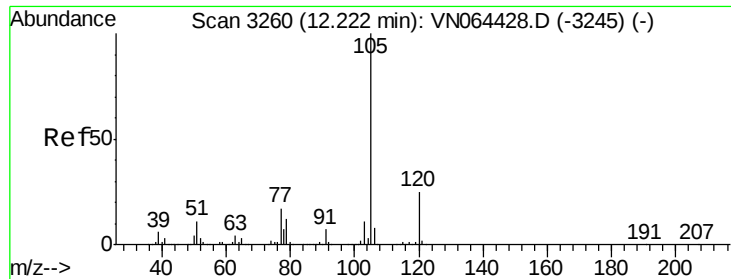
Abundance

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





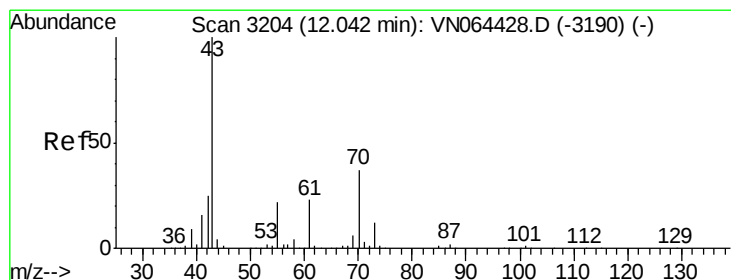
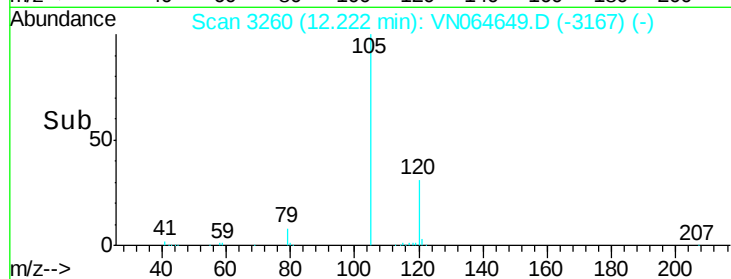
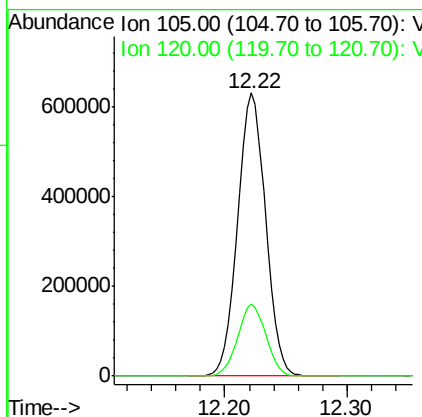
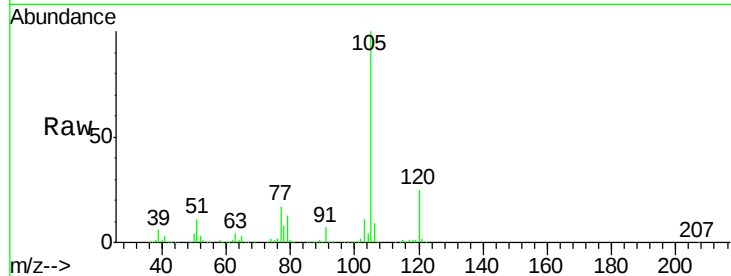
#73
Isopropylbenzene
Concen: 49.355 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	998001		
120	25.6	12.8	38.3	

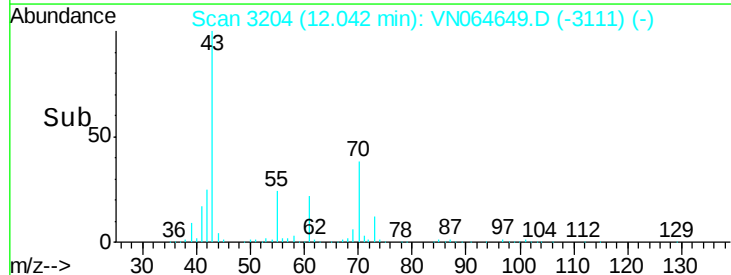
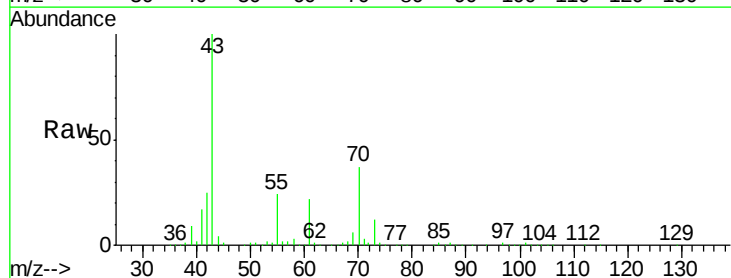
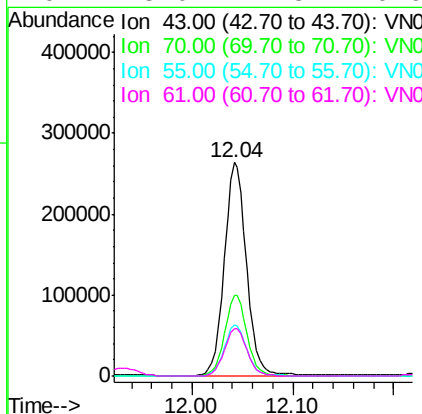
Manual Integrations
APPROVED

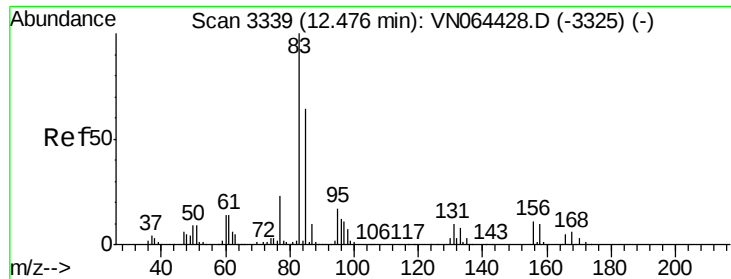
MMDadoda
11/17/2020 7:01:59 PM



#74
N-ethyl acetate
Concen: 41.324 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	403151		
70	38.2	29.6	44.4	
55	24.6	18.4	27.6	
61	23.0	17.8	26.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 47.941 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 297758

Ion Ratio Lower Upper

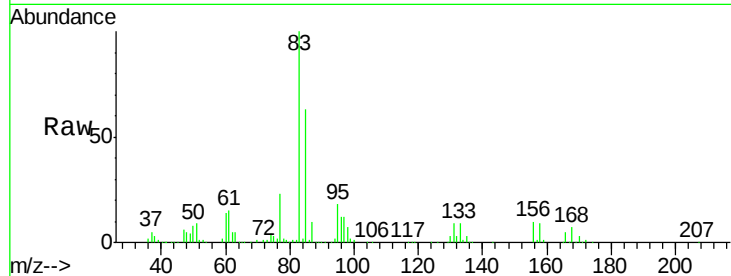
83 100

131 9.6 4.9 14.7

85 64.2 32.1 96.5

Manual Integrations
APPROVED

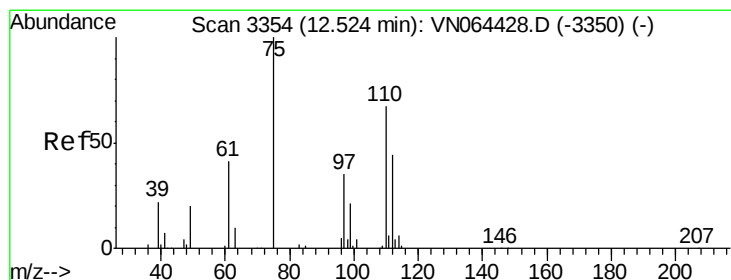
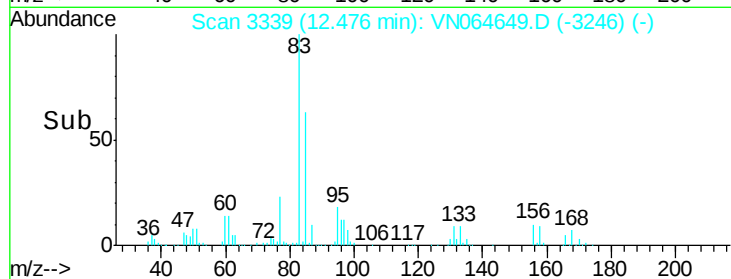
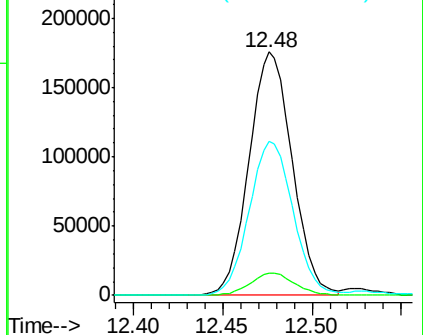
MMDadoda
11/17/2020 7:01:59 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 44.054 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064649.D

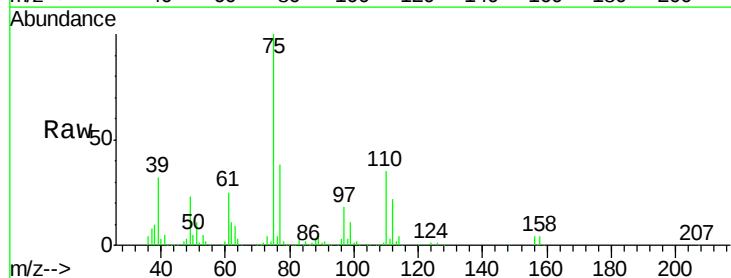
Acq: 16 Nov 2020 9:21

Tgt Ion: 75 Resp: 271555

Ion Ratio Lower Upper

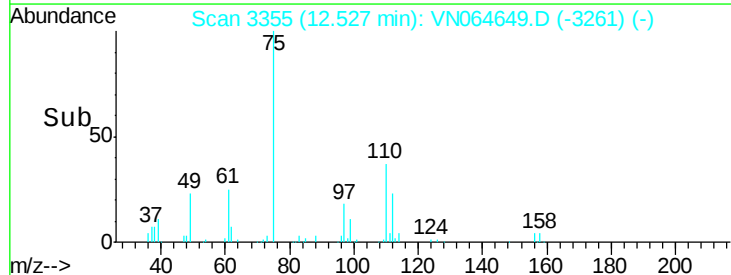
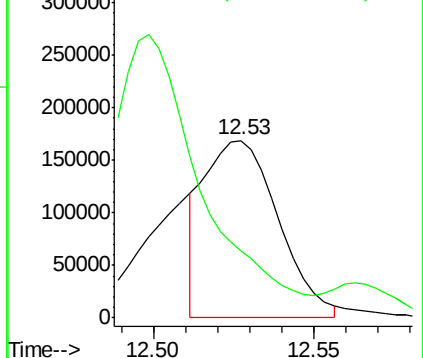
75 100

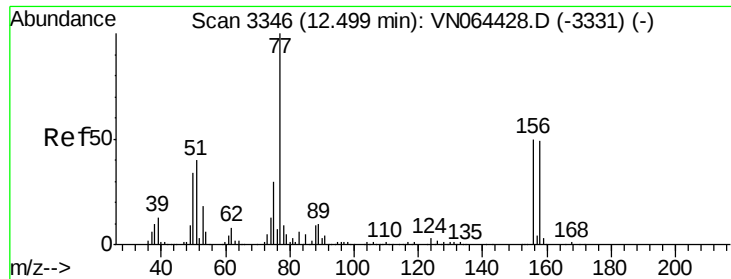
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.967 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 231868

Ion Ratio Lower Upper

156 100

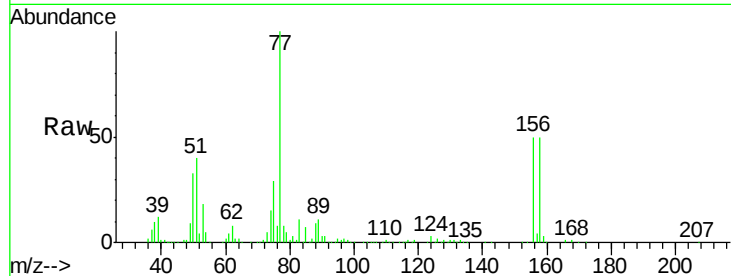
77 238.9 119.0 357.0

158 99.6 48.4 145.3

Manual Integrations
APPROVED

MMDadoda

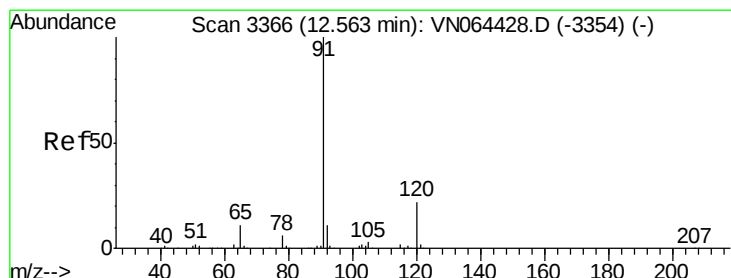
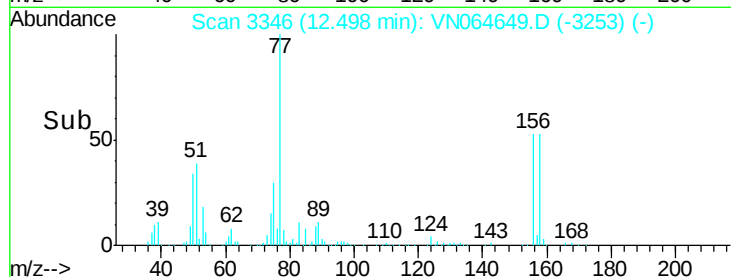
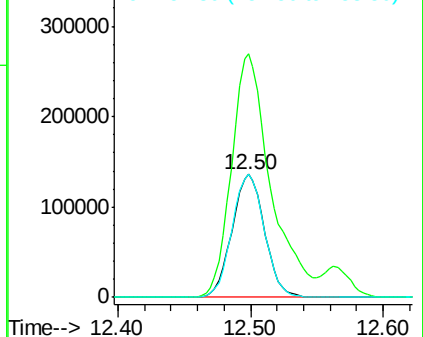
11/17/2020 7:01:59 PM



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: 51.503 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064649.D

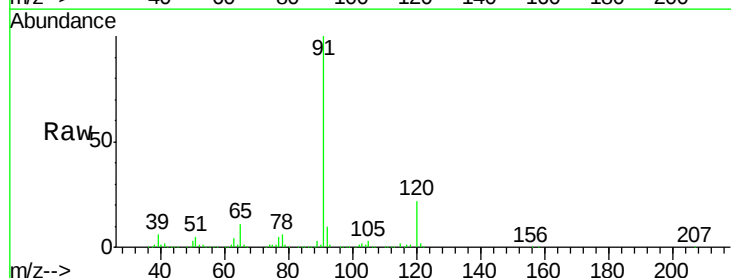
Acq: 16 Nov 2020 9:21

Tgt Ion: 91 Resp: 1187330

Ion Ratio Lower Upper

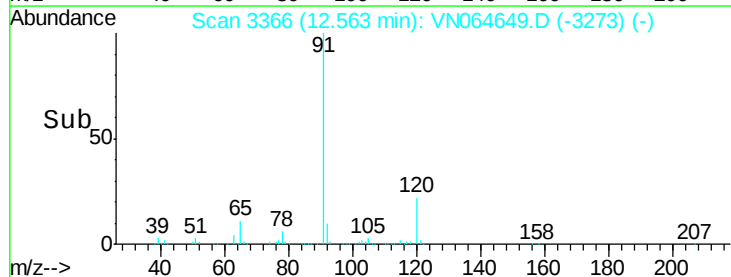
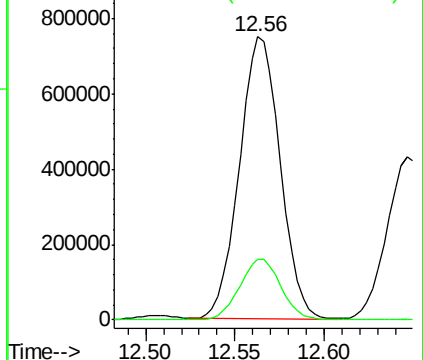
91 100

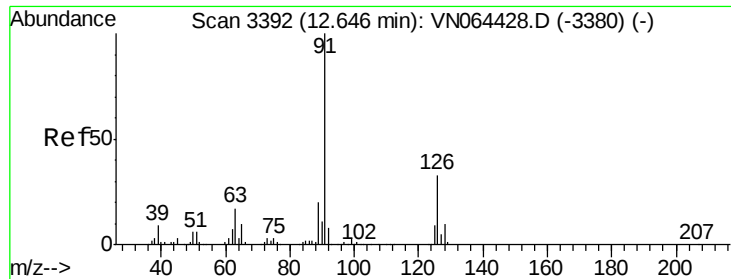
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.811 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 713695

Ion Ratio Lower Upper

91 100

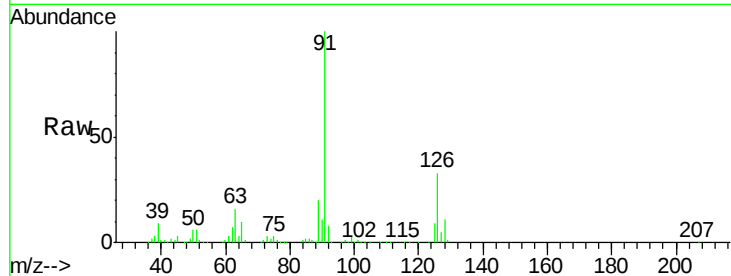
126 33.2 16.4 49.1

Manual Integrations

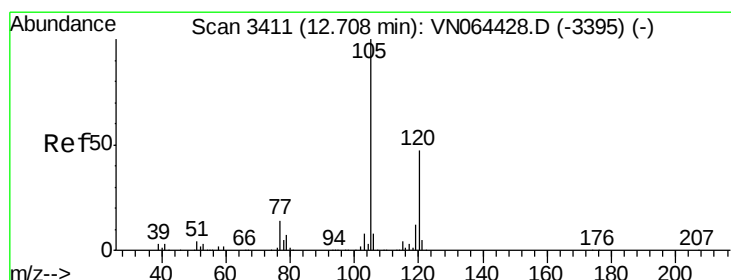
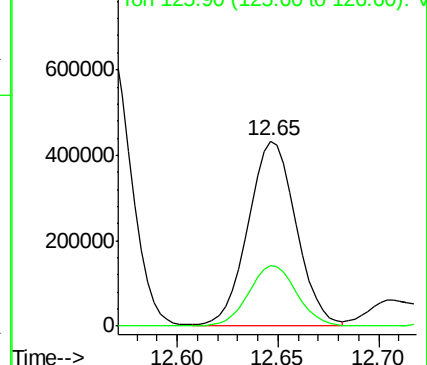
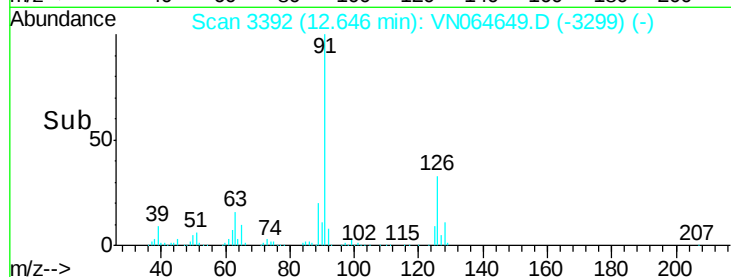
APPROVED

MMDadoda

11/17/2020 7:01:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064649.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.345 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064649.D

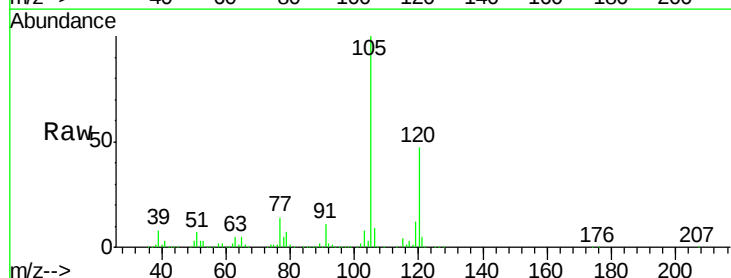
Acq: 16 Nov 2020 9:21

Tgt Ion: 105 Resp: 856521

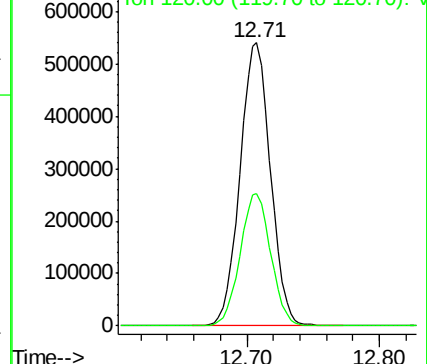
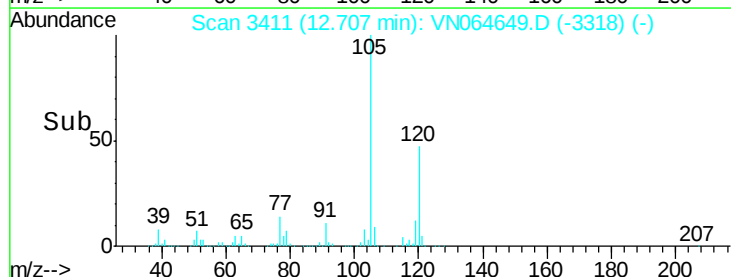
Ion Ratio Lower Upper

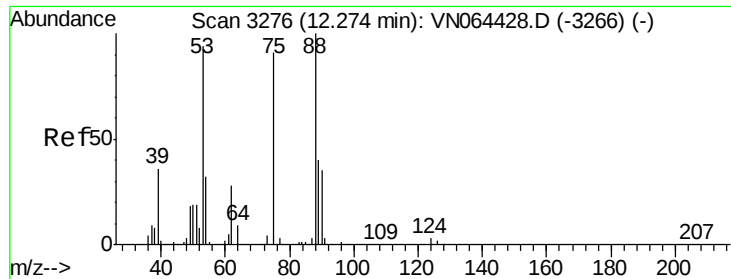
105 100

120 47.1 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064649.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.873 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

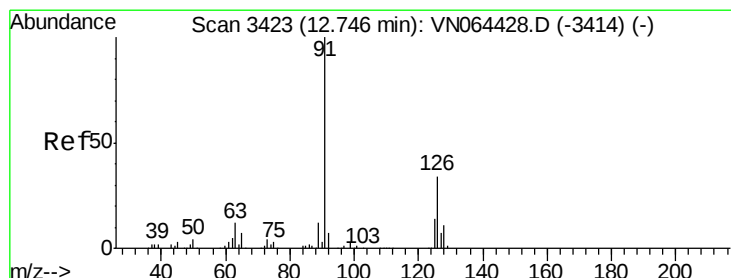
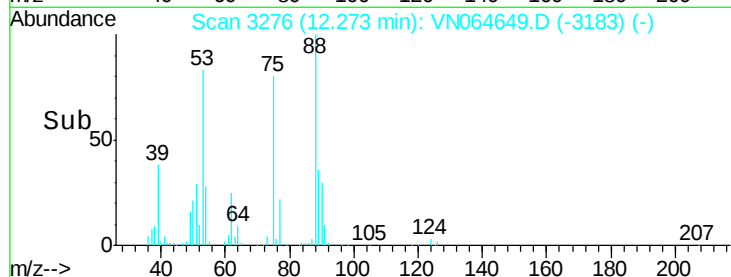
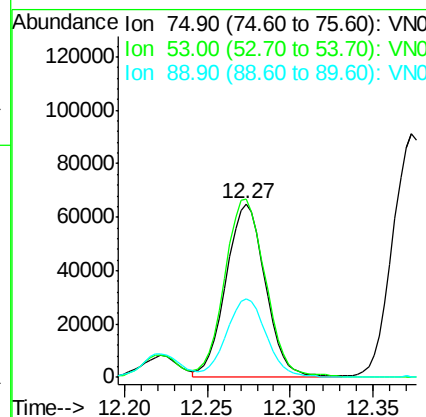
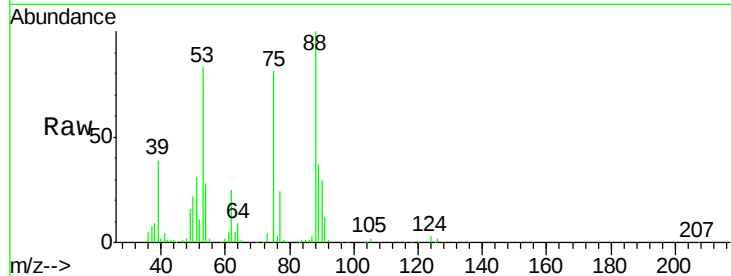
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	84.0	126.0
89	46.1	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM



#82

4-Chlorotoluene

Concen: 50.660 ug/l

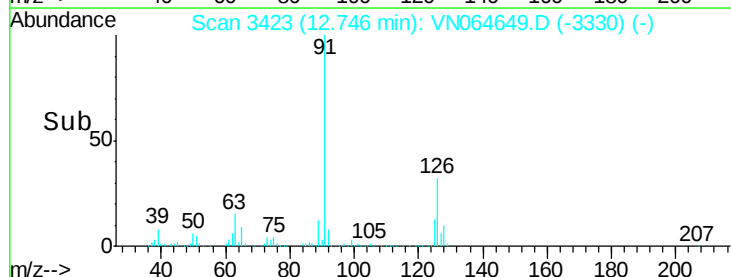
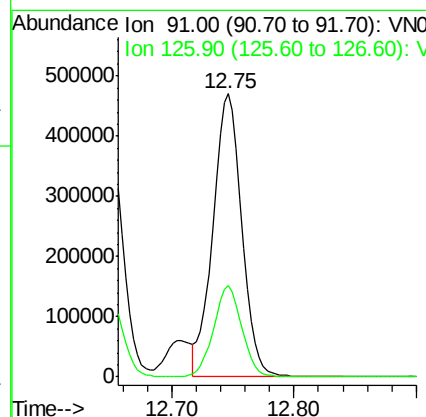
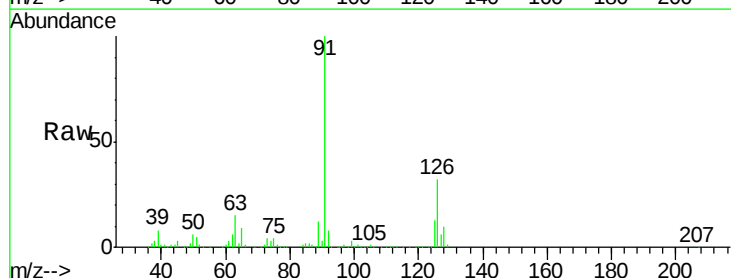
RT: 12.75 min Scan# 3423

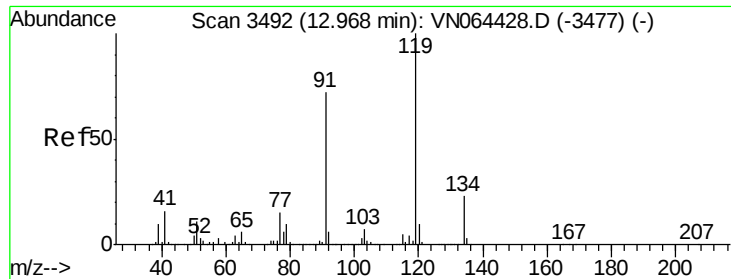
Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.2





#83

tert-Butylbenzene

Concen: 51.615 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

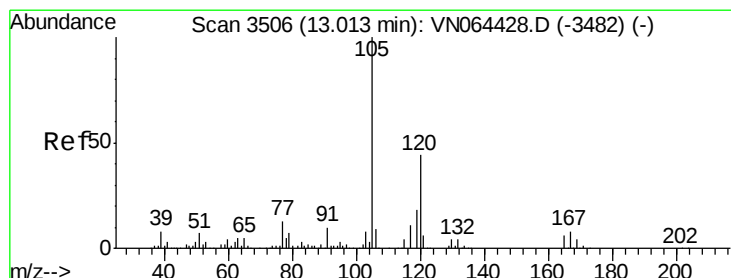
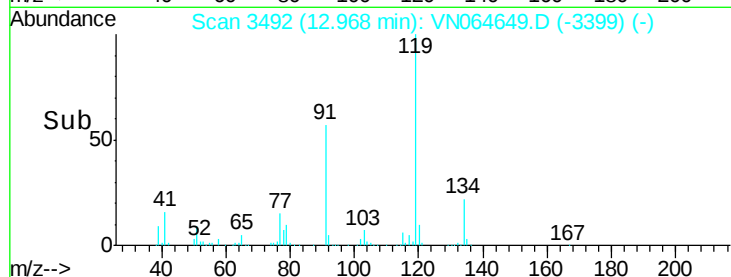
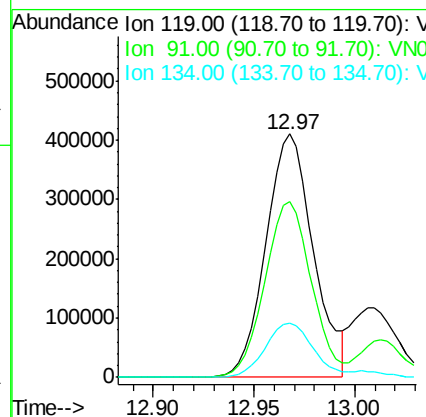
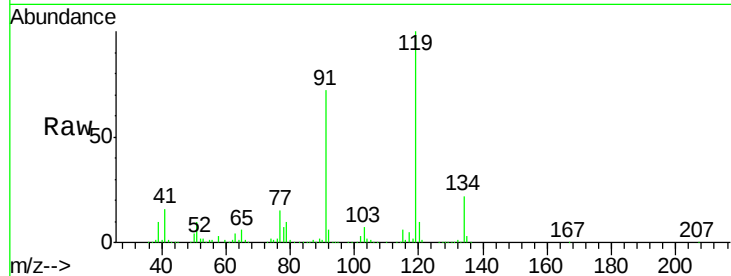
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	672471
Ion Ratio	Lower	Upper	
119	100		
91	70.3	36.1	108.3
134	22.5	11.7	35.1

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM



#84

1,2,4-Trimethylbenzene

Concen: 52.231 ug/l

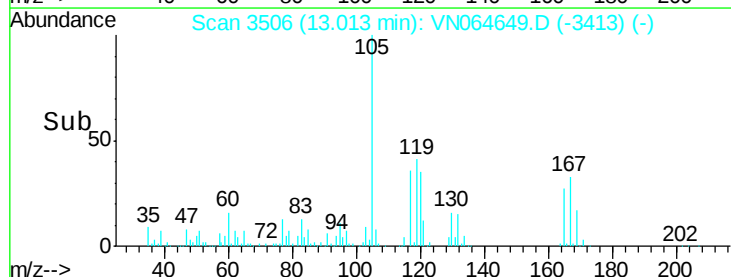
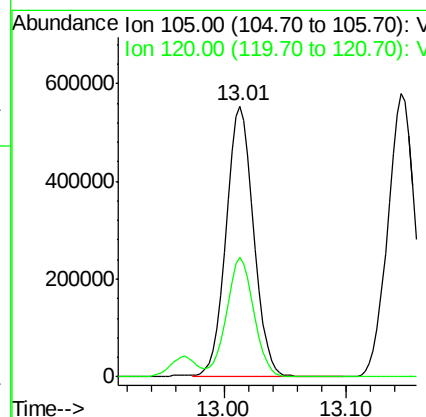
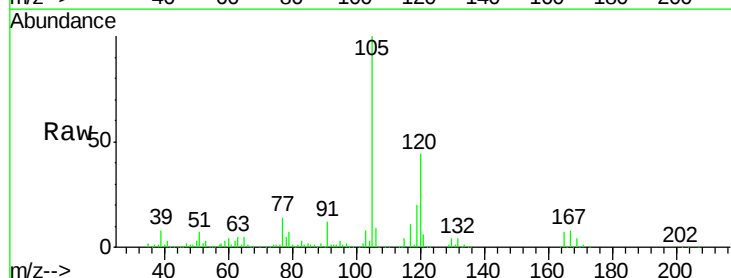
RT: 13.01 min Scan# 3506

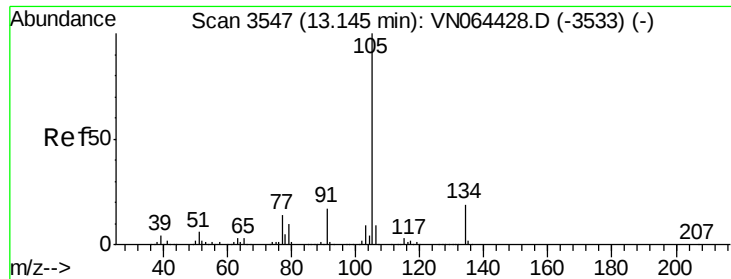
Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Tgt Ion:	105	Resp:	875908
Ion Ratio	Lower	Upper	
105	100		
120	44.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 54.957 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 906827

Ion Ratio Lower Upper

105 100

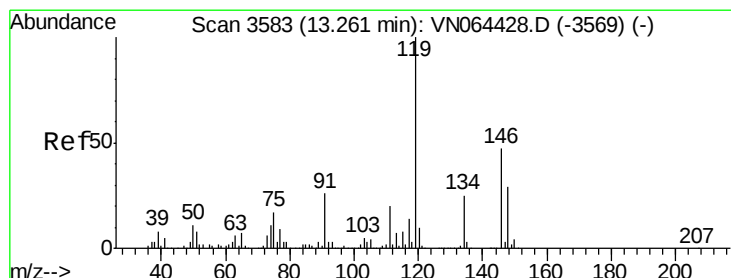
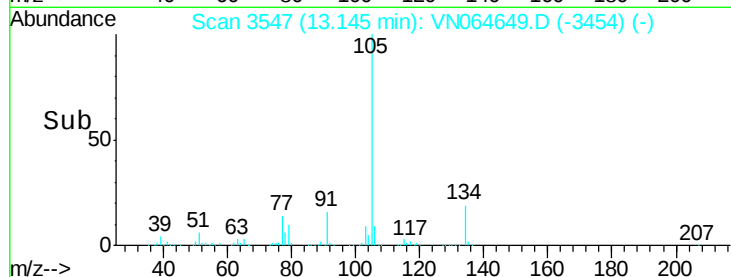
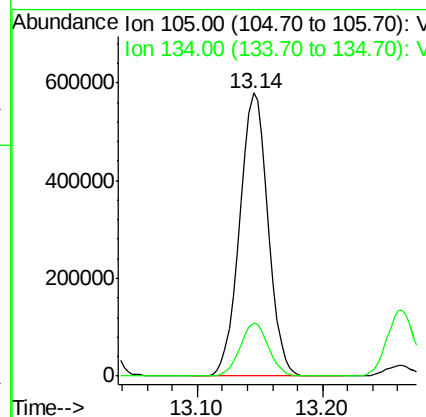
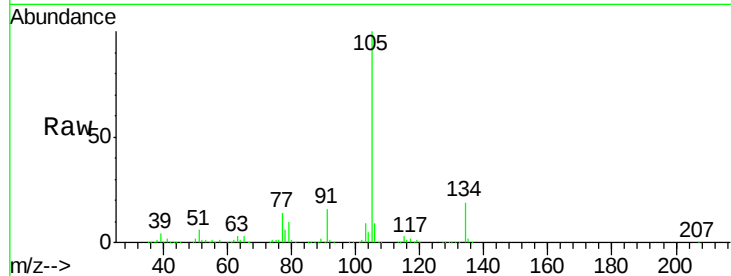
134 18.7 9.4 28.2

Manual Integrations

APPROVED

MMDadoda

11/17/2020 7:01:59 PM



#86

p-Isopropyltoluene

Concen: 55.625 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

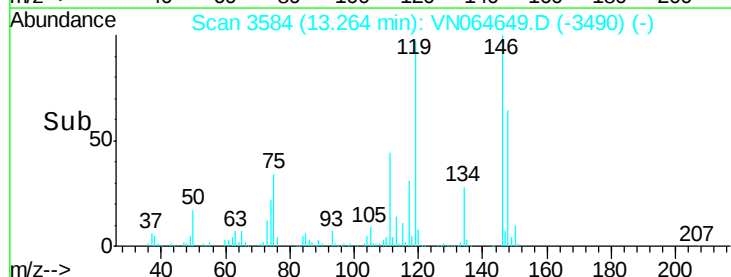
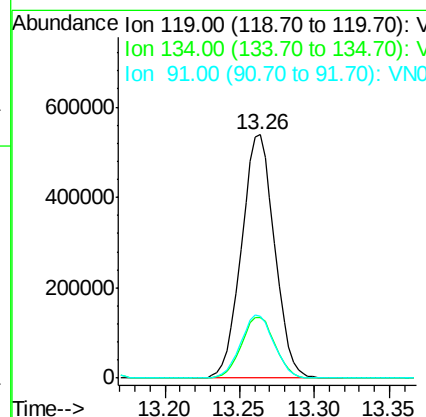
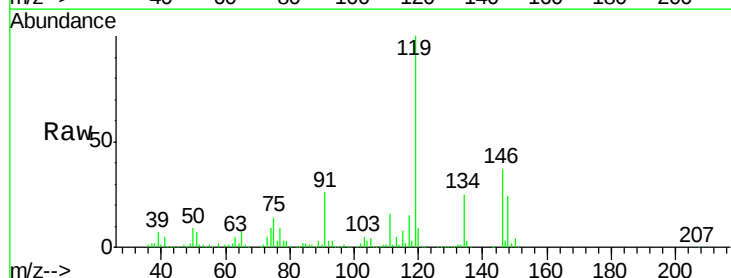
Tgt Ion:119 Resp: 825585

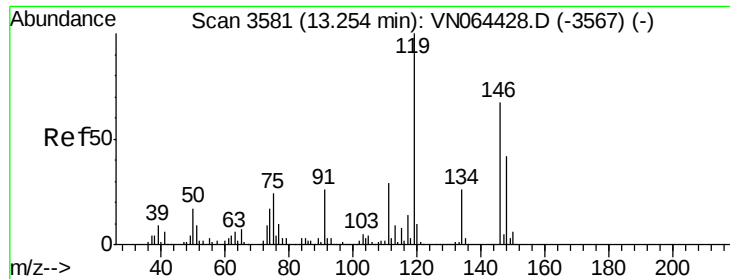
Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.6

91 26.2 12.8 38.3





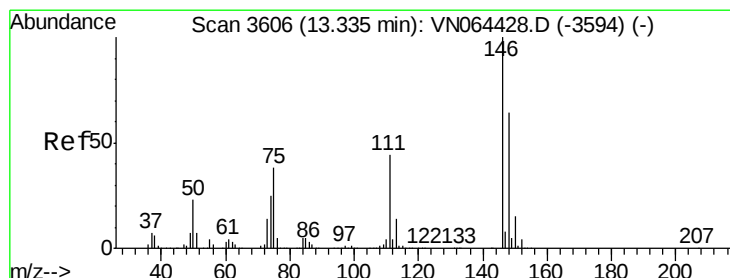
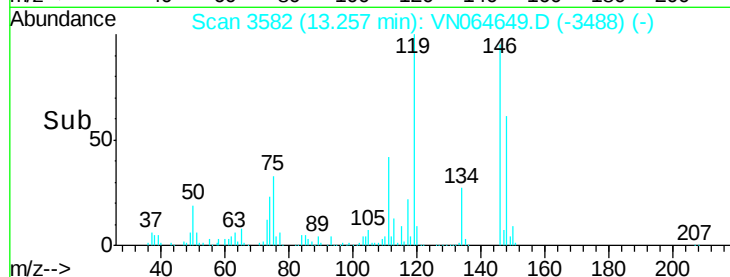
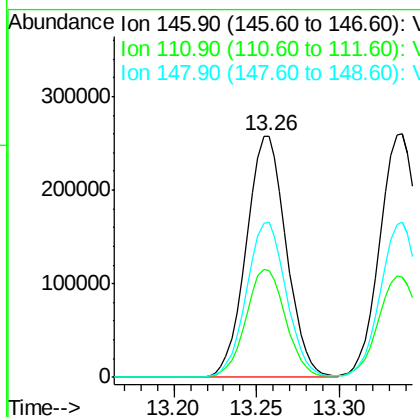
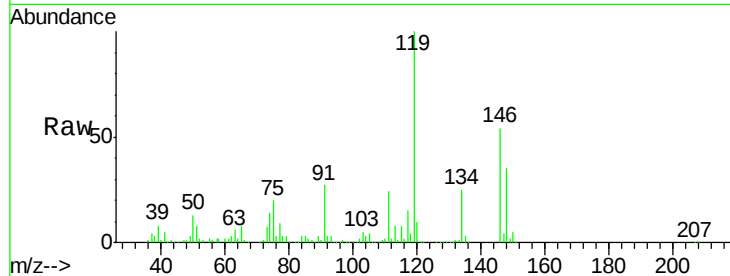
#87
 1,3-Dichlorobenzene
 Concen: 50.748 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	433084		
111	44.3	22.1	66.1	
148	63.9	31.7	95.1	

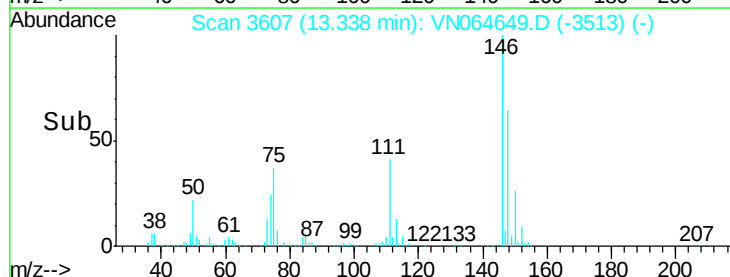
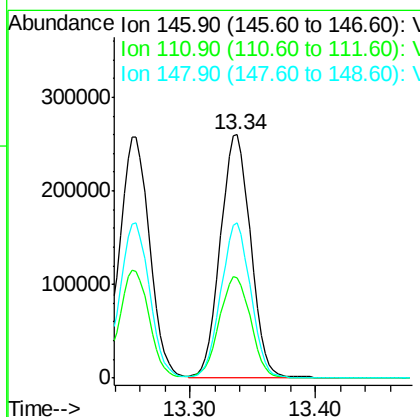
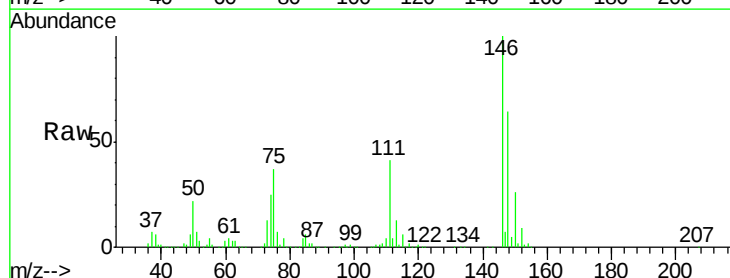
Manual Integrations
 APPROVED

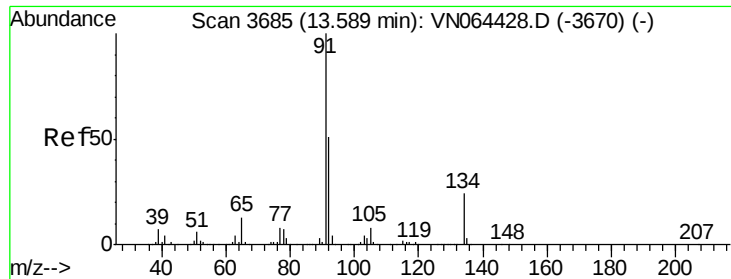
MMDadoda
 11/17/2020 7:01:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.307 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	434853		
111	43.0	21.8	65.3	
148	62.7	32.4	97.2	





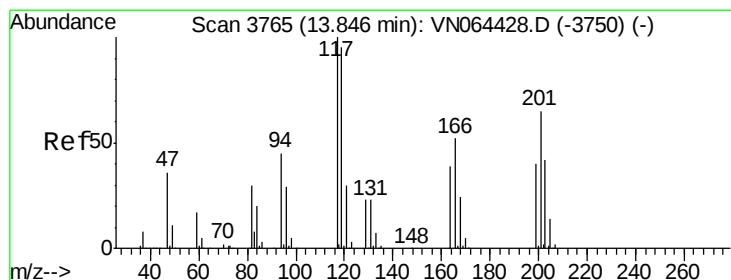
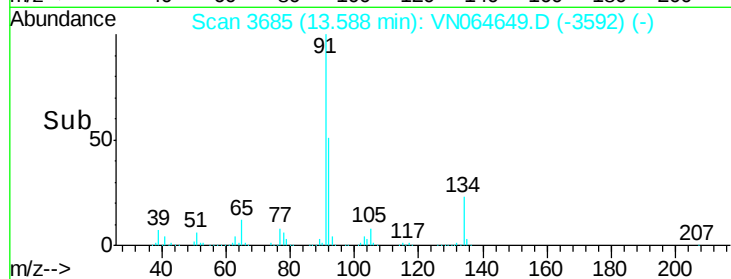
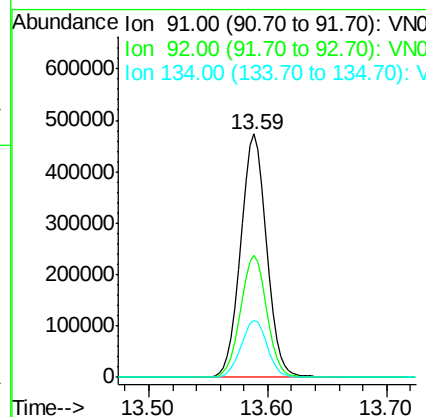
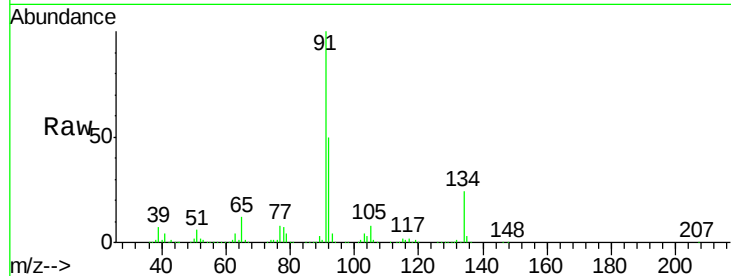
#89
n-Butylbenzene
Concen: 55.902 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.3	75.9
134	23.7	11.8	35.4

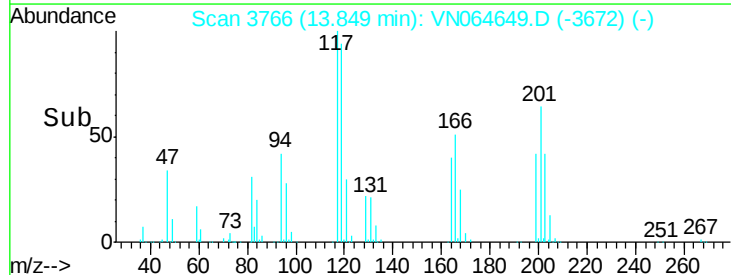
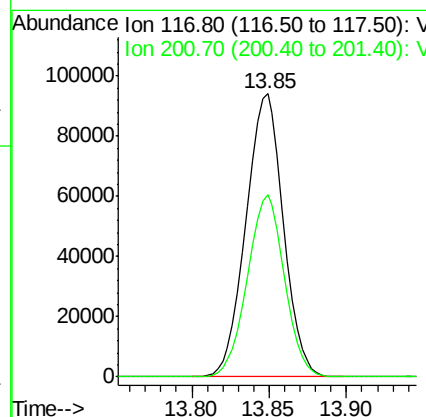
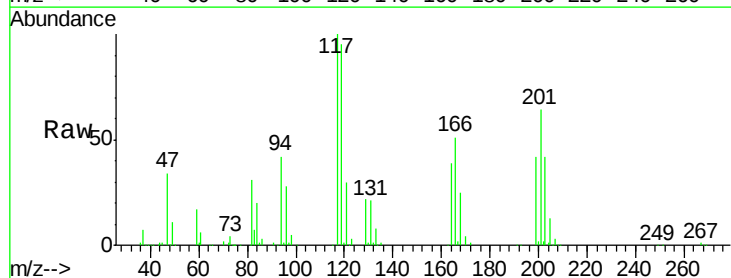
Manual Integrations
APPROVED

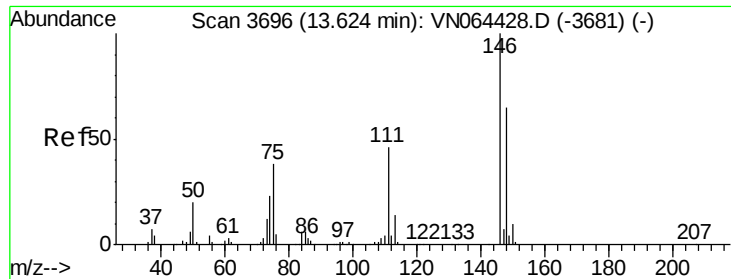
MMDadoda
11/17/2020 7:01:59 PM



#90
Hexachloroethane
Concen: 55.434 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064649.D
Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	32.5	97.5





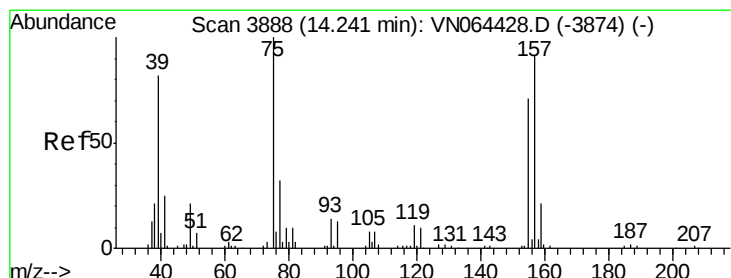
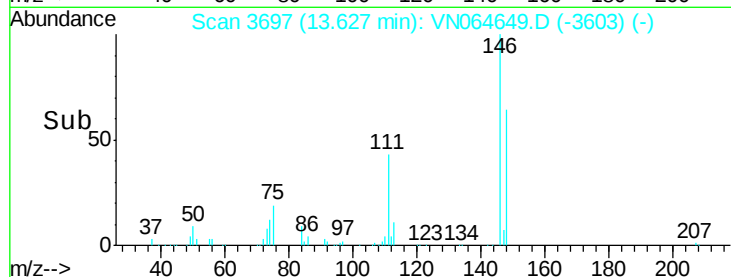
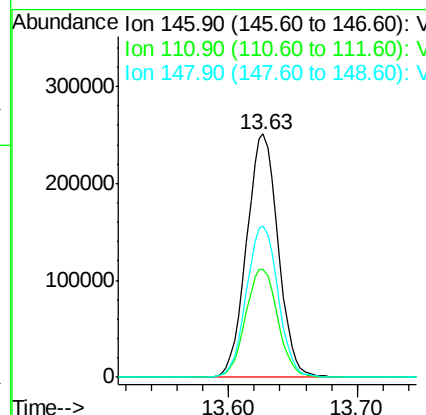
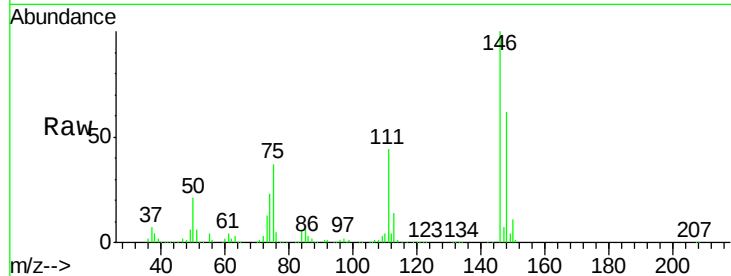
#91
 1,2-Dichlorobenzene
 Concen: 52.073 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.9	68.7
148	62.5	32.0	96.2

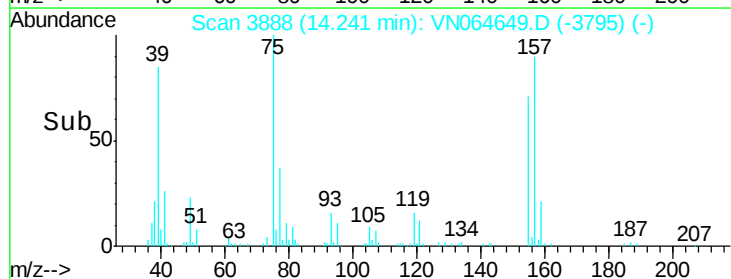
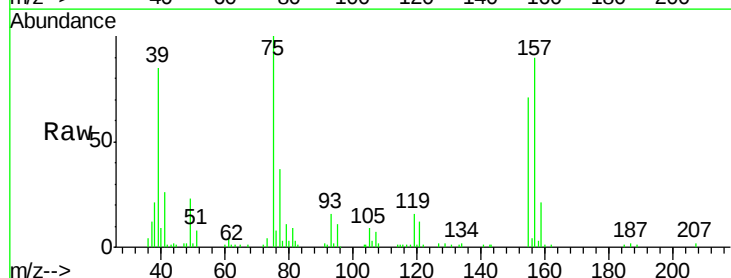
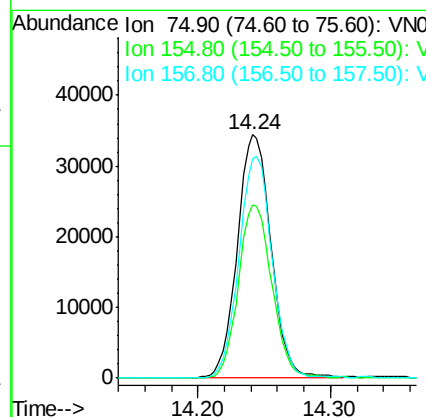
Manual Integrations
 APPROVED

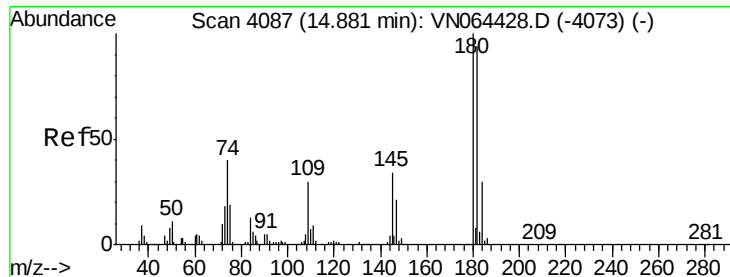
MMDadoda
 11/17/2020 7:01:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.306 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	34.6	103.9
157	89.3	43.0	128.8





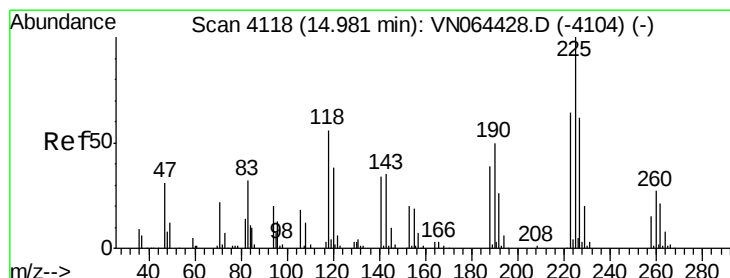
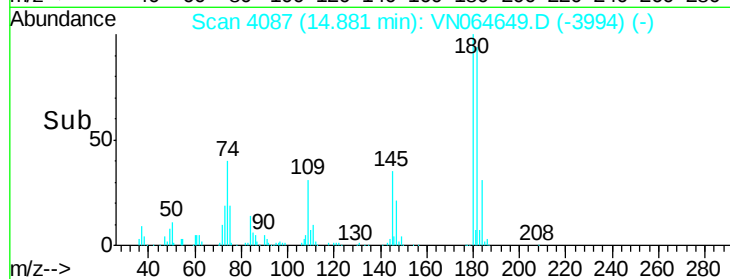
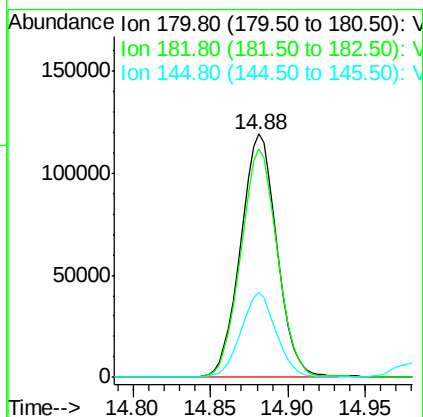
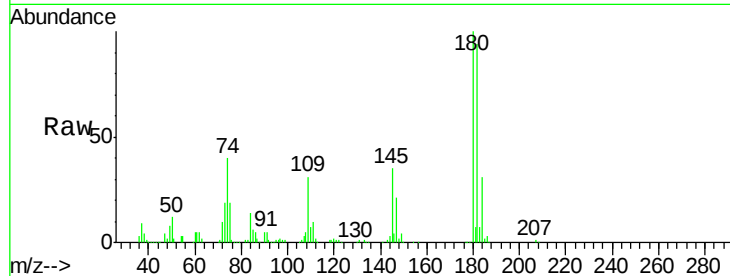
#93
 1,2,4-Trichlorobenzene
 Concen: 47.995 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195472		
182	94.4	47.3	142.0	
145	33.8	16.7	50.1	

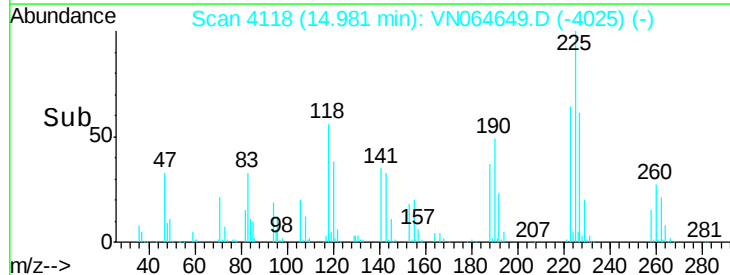
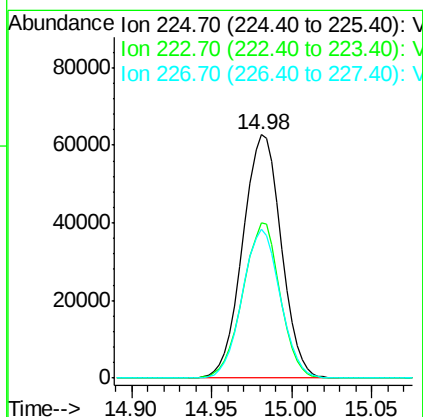
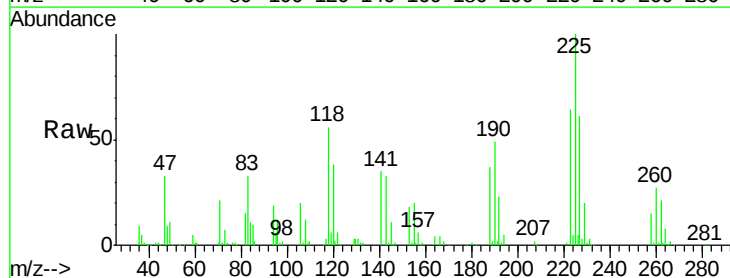
Manual Integrations
 APPROVED

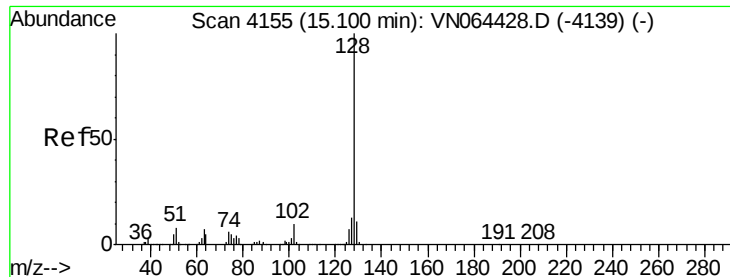
MMDadoda
 11/17/2020 7:01:59 PM



#94
 Hexachlorobutadiene
 Concen: 61.552 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064649.D
 Acq: 16 Nov 2020 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102874		
223	61.4	31.8	95.4	
227	59.9	31.8	95.4	





#95

Naphthalene

Concen: 42.869 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Instrument :

MSVOA_N

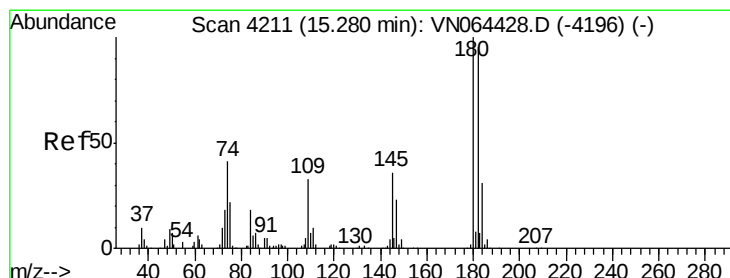
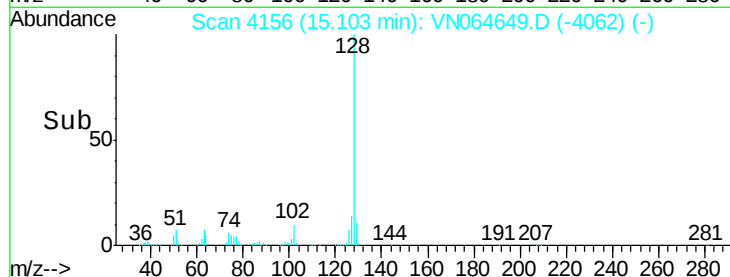
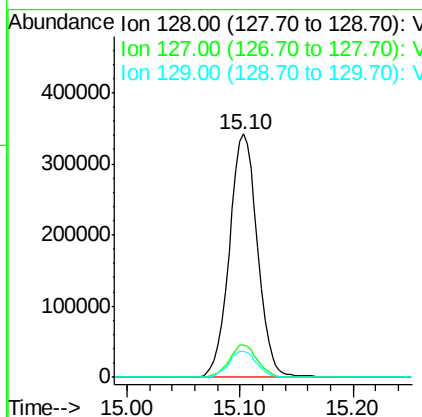
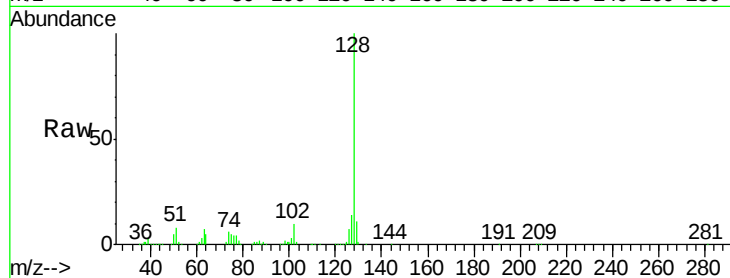
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	590392
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:01:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.255 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064649.D

Acq: 16 Nov 2020 9:21

Tgt Ion:	180	Resp:	194357
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.7	143.1
145	34.8	18.3	54.8

